

Abstract Receipt No. 90001 - 90036

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90001	Michael N Kotzalas	CAGEDYN: a contribution to roller bearing dynamic calculations		F-314	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing II	Thursday 10th	08:40 - 10:20	F	1F
90002	Kentaro Tanaka	Particle Based Numerical Simulation for Meniscus Bridge Formation and Breakage		G-424	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VI	Friday 11th	10:50 - 12:30	G	1F
90003	Huiqing Lan	Molecular Dynamics Simulations of Atomic-Scale Tribology between Amorphous SixC1-x Films		G-344	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations IV	Thursday 10th	17:10 - 18:50	G	1F
90007	Wilfried J Bartz	ECOTRIBOLOGY: Environmentally Acceptable Tribological Practices	Keynote speech	D-211	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) I	Wednesday 9th	08:40 - 10:20	D	1F
90010	Chin-Chung Wei	The Research of Cutting Rate for Dental Drills Treated by Plasma Immersion Ion Implantation (PIII) Nitriding Process		P-250	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90011	Zhongrong Zhou	Nanofretting and nanowear of silicon(100) in atmosphere and in vacuum		G-143	Oral	Micro-, Nano- and Molecular Tribology	Microtribology IV	Tuesday 8th	17:10 - 18:50	G	1F
90012	Sahar F El Houssamy	A COMPARATIVE STUDY OF NOVEL SYNTHETIC HYDRAULIC FLUIDS FOR HYDRAULIC EQUIPMENT		C2-424	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VII	Friday 11th	10:50 - 12:30	C-2	1F
90015	Leonid Sosnovskiy	Model of Deformable Rigid Body with Dangerous Volume for Contact Problems with Friction		I-144	Oral	Tribology Fundamentals	Contact Mechanics IV	Tuesday 8th	17:10 - 18:50	I	2F
90016	Oleg Yelovoy	Local Plastic Deformation of High-Strength Steel under Rolling Contact Fatigue		I-235	Oral	Tribology Fundamentals	Contact Mechanics VII	Wednesday 9th	15:00 - 16:40	I	2F
90020	Sergei Sherbakov	Influence of the Wall Friction Caused by Motion of Oil Flow on Stress-Strain State of a Pipe with a Corrosion Imperfection		P-111	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90021	Ke Wang	Tribo-oxidation of Tantalum in ECMP		F-122	Oral	Manufacturing and Mechanical Components	Manufacturing -Other Process	Tuesday 8th	10:50 - 12:30	F	1F
90023	Lada A. Gyurova	The Influence of Different Additives on Friction and Sliding Wear of Polyphenylene Sulfide Composites		J-133	Oral	Surface Engineering	Tribomaterials III	Tuesday 8th	15:00 - 16:40	J	2F
90024	Wilfred T Tysoe	Tribological Properties of Thin Inorganic Films on Metals Surfaces		K-422	Oral	Tribology Fundamentals	Friction VI	Friday 11th	10:50 - 12:30	K	2F
90026	Wei Li	Thermal mechanical contact simulations for sealing materials under rolling sliding contacts		F-323	Oral	Manufacturing and Mechanical Components	Seals I	Thursday 10th	10:50 - 12:30	F	1F
90027	Rowena Crockett	The role of protein and surface chemistry in the lubrication of artificial hip joint materials		G-141	Oral	Micro-, Nano- and Molecular Tribology	Microtribology IV	Tuesday 8th	17:10 - 18:50	G	1F
90028	Toyoharu Kaneko	Development of DPF Applicable Fuel Economy Diesel Engine Oil	Keynote	B2-221	Oral	Lubrication, Lubricants and Additives	Lubricating Oil II	Wednesday 9th	10:50 - 12:30	B-2	2F
90029	Claus Enekes	Efficiency of axial piston pumps utilising coated tribological systems and environmentally friendly fluids	Invited	B2-311	Oral	Minisymposium	Tribological aspects of fluid power I	Thursday 10th	08:40 - 10:20	B-2	2F
90030	Yanbao Guo	Preparation and nanotribological behavior of hybrid CuS nanoparticles molecular deposition films		P-154	Poster	Micro-, Nano- and Molecular Tribology	Molecular Tribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90032	Ivan Krupka	Effects of surface topography on lubrication film formation within mixed lubricated contacts during start up and reversal motion		C1-311	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication III	Thursday 10th	08:40 - 10:20	C-1	1F
90033	Makoto Tomimoto	Friction Pattern for Tactile Sensor in Anthropomorphic Fingertip		I-123	Oral	Tribology Fundamentals	Contact Mechanics II	Tuesday 8th	10:50 - 12:30	I	2F
90036	Philippa M Cann	Lubrication Properties of Alkyl Imidazolium Tetrafluoroborate and Hexafluorophosphate Ionic Liquids under Mixed Sliding-Rolling Conditions		C2-223	Oral	Lubrication, Lubricants and Additives	Additives IV	Wednesday 9th	10:50 - 12:30	C-2	1F

Abstract Receipt No. 90037 - 90064

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90037	Syahrullail Samion	THE PERFORMANCE OF RBD PALM STEARIN AS LUBRICANT IN PLANE STRAIN EXTRUSION PROCESS.		C2-412	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VI	Friday 11th	08:40 - 10:20	C-2	1F
90038	Ken Mao	An initial approach of crack initiation of highly loaded multilayer coated system under rolling sliding contact conditions		I-224	Oral	Tribology Fundamentals	Contact Mechanics VI	Wednesday 9th	10:50 - 12:30	I	2F
90039	Jack Mao	Medical Device Simulations		P-381	Poster	Tribosystems	Biotribology	Thursday 10th	14:00 - 15:00	Event Hall	1F
90040	Antonius A Lubrecht	Film Thickness Prediction in Wide Elliptical EHL Contacts		C1-334	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication V	Thursday 10th	15:00 - 16:40	C-1	1F
90041	Romeo P Glovnea	THE RESPONSE OF EHD FILMS TO LATERAL OSCILLATIONS		C1-223	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication I	Wednesday 9th	10:50 - 12:30	C-1	1F
90042	Yazhen Wang	OPTIMAL DESIGN OF SURFACE STRUCTURE OF A MAGNETIC HEAD		P-368	Poster	Tribosystems	Hard Disk Drives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90043	Loïc Adamczak	FreePod® DRIVEN DISC FOR DRY CLUTCHES		H-112	Oral	Tribosystems	Automobiles I	Tuesday 8th	08:40 - 10:20	H	1F
90044	Michael N Mitariu	High performance friction system with advanced ceramics for automotive purpose		F-411	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element I	Friday 11th	08:40 - 10:20	F	1F
90047	Rodrigo Bulnes	Third-body's friction and tribo-fluctuations of mechanochemistry nature create the exergetical dissipation wrong named friction coefficient		K-432	Oral	Tribology Fundamentals	Friction VII	Friday 11th	14:00 - 15:40	K	2F
90048	Ashlie Martini	Accelerated Molecular Dynamics Simulation of Atomic Stick Slip Friction		D-143	Oral	Symposium	Large-scale simulation in the field of tribology II	Tuesday 8th	17:10 - 18:50	D	1F
90049	Husnawan Mutiara	The Use of Renewable Basestock Lubricant Containing Metal-Free Additive and Their Effects on Triboproperties and Diesel Engine CO2 Emission		C2-344	Oral	Lubrication, Lubricants and Additives	Lubricating Oil V	Thursday 10th	17:10 - 18:50	C-2	1F
90050	Tian-Bao Ma	Molecular dynamics simulation of the frictional behaviors of diamondlike carbon films		G-343	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations IV	Thursday 10th	17:10 - 18:50	G	1F
90053	Filip Ilie	SELECTIVE LAYER CMP PROCESS MIMICKED WITH ATOMIC FORCE MICROSCOPE		G-131	Oral	Micro-, Nano- and Molecular Tribology	Microtribology III	Tuesday 8th	15:00 - 16:40	G	1F
90054	Osamu Hirayama	Experiments on Burrige-Knopoff Model Using Granular Material Covered Surfaces		B1-345	Oral	Tribology Fundamentals	Friction IV	Thursday 10th	17:10 - 18:50	B-1	2F
90055	Hiroataka Kato	Tribofilms produced by supplying fine metal particles on rubbing surfaces in a vacuum		P-251	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90056	Yue-Wen Su	Wear prediction of revolute clearance joints and its effects on dynamic response in multibody systems		I-334	Oral	Tribology Fundamentals	Wear II	Thursday 10th	15:00 - 16:40	I	2F
90057	Zygmunt Rymuza	The model of adhesive and frictional behaviors of carbon nanotube (CNT) brushes		G-222	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology II	Wednesday 9th	10:50 - 12:30	G	1F
90060	Mohammed Jai	Shape optimization of a dynamically loaded Hydrodynamic Journal Bearings		K-341	Oral	Surface Engineering	Surface Modifications VI	Thursday 10th	17:10 - 18:50	K	2F
90061	Kazuhisa Miyoshi	Abrasivity and Adhesivity of Lunar Regolith Simulant		I-345	Oral	Tribology Fundamentals	Wear III	Thursday 10th	17:10 - 18:50	I	2F
90062	Yuichi Nakamura	Rheological Study of Solidified Lubricant Oils under Very High Pressure by Observing Microsphere Deformation and Viscosity Prediction		C2-421	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VII	Friday 11th	10:50 - 12:30	C-2	1F
90064	Hozumi Goto	Friction and Wear Properties of the Aluminum-Silicon Alloy Impregnated Graphite Composite (ALGR-MMC) under Insufficiently Lubricated Reciprocating Sliding Conditions		J-215	Oral	Surface Engineering	Tribomaterials V	Wednesday 9th	08:40 - 10:20	J	2F

Abstract Receipt No. 90065 - 90088

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90065	Young-Ze Lee	Fretting Wear of the Fuel Cladding Tubes of Nuclear Fuel Rod against Supporting Grids		P-285	Poster	Manufacturing and Mechanical Components	Other Components	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90066	Mathias Woydt	The potential of polyglycols as engine oils and their performance in engines		B2-233	Oral	Lubrication, Lubricants and Additives	Lubricating Oil III	Wednesday 9th	15:00 - 16:40	B-2	2F
90067	Mathias Woydt	Zero wear - Dream or Reality?	Invited	D-322	Oral	Symposium	Industrial tribology issues in the Asia-Pacific region II	Thursday 10th	10:50 - 12:30	D	1F
90068	Youngkuan Xue	SELF-LEVITATING AIR JOURNAL BEARING		I-124	Oral	Tribology Fundamentals	Contact Mechanics II	Tuesday 8th	10:50 - 12:30	I	2F
90069	Toshiyuki Tsubouchi	Characterization of Oily High Bulk Modulus Fluid		B2-322	Oral	Minisymposium	Tribological aspects of fluid power II	Thursday 10th	10:50 - 12:30	B-2	2F
90071	Yuji Ohue	Surface Fatigue Strength of Surface-Modified Steel by Fine Particle Bombarding		K-321	Oral	Surface Engineering	Surface Modifications IV	Thursday 10th	10:50 - 12:30	K	2F
90072	Hiroyuki Ohta	Vertical stiffnesses of preloaded linear guideway type ball bearings incorporating the flexibility of the carriage and rail		F-231	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing I	Wednesday 9th	15:00 - 16:40	F	1F
90073	Withdrawn	Withdrawn		C1-411	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication I	Friday 11th	08:40 - 10:20	C-1	1F
90074	Keiji Imado	Study of self-locking mechanism of belt buckle		F-435	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element III	Friday 11th	14:00 - 15:40	F	1F
90075	Nehal S. Ahmed	Synthesis and Evaluation of Some Polymers as Lubricating Oil Additives		P-352	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90076	Jian-Qiang Hu	Extreme pressure properties and mechanism of bismuth Naphthenate with sulfur containing additives		C2-233	Oral	Lubrication, Lubricants and Additives	Additives V	Wednesday 9th	15:00 - 16:40	C-2	1F
90077	Benyebka Bou-Saïd	Non-Newtonian effects in bearing behaviour: some considerations concerning the constitutive laws		C1-114	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication I	Tuesday 8th	08:40 - 10:20	C-1	1F
90078	Xufeng Jiang	Research on Direct Reading Ferrography for Aero-engine Condition Monitoring		H-232	Oral	Tribosystems	Condition Monitoring I	Wednesday 9th	15:00 - 16:40	H	1F
90079	Chengqing Yuan	Study on Wear Mechanism of Metal Materials under H2O2 Lubricant		I-413	Oral	Tribology Fundamentals	Wear IV	Friday 11th	08:40 - 10:20	I	2F
90081	Withdrawn	Withdrawn		C2-213	Oral	Lubrication, Lubricants and Additives	Additives III	Wednesday 9th	08:40 - 10:20	C-2	1F
90083	Toshihiro Ozasa	Mass Conserving Elastohydrodynamic Lubrication Model of Engine Bearings with an Oil Passage: Effects of Surface Textures and Pressure-Viscosity Relation on Friction		C1-321	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication IV	Thursday 10th	10:50 - 12:30	C-1	1F
90084	Thierry Le Mogne	Understanding of the tribochemistry of organo-sulphur compounds		C1-412	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication I	Friday 11th	08:40 - 10:20	C-1	1F
90085	Tze C Jao	Effective Approaches to Protect the Automotive Catalyst System without Sacrificing Antiwear Performance	Invited	B1-212	Oral	Minisymposium	Ultra-mild wear and tribo-chemical interactions	Wednesday 9th	08:40 - 10:40	B-1	2F
90086	Fabrice Dassenoy	Zinc polyphosphates used as ZDTP tribofilm models		C1-414	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication I	Friday 11th	08:40 - 10:20	C-1	1F
90087	Chia-Wen Chan	Parallel Optimization of Artificial Neural Networks for Fluid-Film Lubrication Analysis		P-301	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90088	Masakazu Adachi	Study on Vehicle Running Safety for Worn Rail Tread		I-234	Oral	Tribology Fundamentals	Contact Mechanics VII	Wednesday 9th	15:00 - 16:40	I	2F

Abstract Receipt No. 90089 - 90120

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90089	Willey Yun Hsien Liew	Wear of TiAlN and TiAlN/AlCrN coated carbide tools in low-speed end milling of stainless steel		F-113	Oral	Manufacturing and Mechanical Components	Manufacturing -Material Removal Process	Tuesday 8th	08:40 - 10:20	F	1F
90090	Takashi Tomikawa	Soft metal overlays of sliding bearings for internal combustion engines		D-341	Oral	Minisymposium	Tribology for automotive fuel economy II	Thursday 10th	17:10 - 19:10	D	1F
90091	Jiunn-Jong Wu	Numerical Simulation on the Adhesive Contact between a Slight Wavy Surface and an Elastic Half-Plane		I-212	Oral	Tribology Fundamentals	Contact Mechanics V	Wednesday 9th	08:40 - 10:20	I	2F
90092	Paul H Kasai	The head/disk interaction at near contact regime	Invited	B1-412	Oral	Minisymposium	Tribology in information storage systems I	Friday 11th	08:40 - 10:40	B-1	2F
90093	Hiroyuki Matsumoto	Advanced Head Disk Interface System Assisted by Gas PFPE Lubrication	Invited	B1-413	Oral	Minisymposium	Tribology in information storage systems I	Friday 11th	08:40 - 10:40	B-1	2F
90094	Yuichiro Nagata	The effect of working parameters upon the electrical permittivity of grease lubricants in EHD contacts		P-339	Poster	Lubrication, Lubricants and Additives	Grease	Thursday 10th	14:00 - 15:00	Event Hall	1F
90095	Louise M Jennings	A Low Conforming, Low Wear Solution in Fixed Bearing Total Knee Replacements		I-322	Oral	Tribology Fundamentals	Wear I	Thursday 10th	10:50 - 12:30	I	2F
90096	W. Gregory Sawyer	Soft, Wet, and Slippery: Corneal Tribology	Keynote speech	D-121	Oral	Symposium	Human-related tribology (New Trends in Human-related Tribology)	Tuesday 8th	10:50 - 12:30	D	1F
90097	Christopher DellaCorte	Solid Lubricant Coatings for Advanced Foil Gas Bearings	Keynote	J-411	Oral	Surface Engineering	Coatings VII	Friday 11th	08:40 - 10:20	J	2F
90098	Christopher DellaCorte	Nickel-Titanium: A New Candidate Material for Oil-Lubricated Bearing and Mechanical Component Applications		F-235	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing I	Wednesday 9th	15:00 - 16:40	F	1F
90100	W. Gregory Sawyer	Wear Testing and In Situ Profilometry: What we saw when we looked.		G-133	Oral	Micro-, Nano- and Molecular Tribology	Microtribology III	Tuesday 8th	15:00 - 16:40	G	1F
90101	Daniel J Dickrell	Solution Matters and the Friction of Hydrogels		G-422	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VI	Friday 11th	10:50 - 12:30	G	1F
90102	Fabrice Dassenoy	Tribological behavior of new Inorganic Fullerene like nanoparticles: IF-Mo _{1-x} W _x S ₂		C2-134	Oral	Lubrication, Lubricants and Additives	Additives I	Tuesday 8th	15:00 - 16:40	C-2	1F
90113	Yoshio Matsuzaki	Visualization of Real Contact Area at Conical Inside-seal Surfaces using the Thin Au Film		F-342	Oral	Manufacturing and Mechanical Components	Seals III	Thursday 10th	17:10 - 18:50	F	1F
90114	Isami Nitta	Frictional Characteristics of Aneurysm Clips Finished by Laser Processing		K-114	Oral	Surface Engineering	Texturing I	Tuesday 8th	08:40 - 10:20	K	2F
90116	Salmiah Kasolang	VISCOSITY MEASUREMENT IN JOURNAL BEARING USING SHEAR ULTRASONIC REFLECTION		C1-124	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication II	Tuesday 8th	10:50 - 12:30	C-1	1F
90117	Girma Biresaw	EP Additive Performance in Biobased vs. Paraffinic Base Oils	Invited	D-212	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) I	Wednesday 9th	08:40 - 10:20	D	1F
90118	Changhee Cho	Influence of Microscopic Surface Topography on the Wear Phenomenon in Knee Prosthesis		H-344	Oral	Tribosystems	Biotribology III	Thursday 10th	17:10 - 18:50	H	1F
90119	Nobuyoshi Ohno	Effect of lubricant parameter on oil pit formation		C2-432	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VIII	Friday 11th	14:00 - 15:40	C-2	1F
90120	Sobahan Mia	High Pressure Rheology of Ionic Liquid		C2-335	Oral	Lubrication, Lubricants and Additives	Lubricating Oil IV	Thursday 10th	15:00 - 16:40	C-2	1F

Abstract Receipt No. 90121 - 90150

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90121	Nobuyuki Tadokoro	Investigation of Lubricants on ophthalmic lens		P-346	Poster	Lubrication, Lubricants and Additives	Solid Lubricants	Thursday 10th	14:00 - 15:00	Event Hall	1F
90122	Taewan Kim	Optimization of Hairy Structure for Biomimetic Adhesive System		P-170	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90123	Makoto Ishikawa	Nanoscale peeling of multi-walled carbon nanotube on graphite surface		G-225	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology II	Wednesday 9th	10:50 - 12:30	G	1F
90125	Kenichiro Seki	The Friction Properties between Friction Modifier and Paper Based Friction Material		P-201	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90126	John A Williams	Transfer of material between rolling and sliding surfaces		I-344	Oral	Tribology Fundamentals	Wear III	Thursday 10th	17:10 - 18:50	I	2F
90127	Kang (Jennifer) C Ang	Advanced optical laser triangulation assessment for tribological surfaces		P-210	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90128	Cyril Pailler-Mattei	Effect of tape stripping on skin surface biotribological behaviour		H-422	Oral	Tribosystems	Biotribology V	Friday 11th	10:50 - 12:30	H	1F
90131	Liping Wang	Improved Tribological Performance of Micro-textured Amorphous Carbon Nano-composite Coatings Sliding in Water		K-134	Oral	Surface Engineering	Texturing III	Tuesday 8th	15:00 - 16:40	K	2F
90132	Qunji Xue	DEVELOPMENT OF INDUSTRIAL TRIBOLOGY IN CHINA	Plenary talk	Plenary Talk5	Oral	Symposium	Industrial tribology issues in the Asia-Pacific region	Monday 7th	16:50 - 17:30	Main Hall	1F
90136	Alan Hase	Study on the Elementary Process of Adhesive Wear: Generation of Wear Elements and Their Growth into Transfer Particles		P-135	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90138	Ichiro Hiratsuka	Friction and wear characteristic of plasma electrolytic oxidation film		K-233	Oral	Surface Engineering	Surface Modifications II	Wednesday 9th	15:00 - 16:40	K	2F
90139	Shunpei Kamitani	Measurement of Friction Coefficient under Bulk Plastic Deformation in Plane Strain Extrusion Test		F-124	Oral	Manufacturing and Mechanical Components	Manufacturing -Other Process	Tuesday 8th	10:50 - 12:30	F	1F
90140	Bo O. Jacobson	History of rolling bearings	Invited	B1-233	Oral	Minisymposium	History of Tribology	Wednesday 9th	15:00 - 17:30	B-1	2F
90141	Takatoshi Shinyoshi	Tribological properties of Diamond Like Carbon Coatings		J-321	Oral	Surface Engineering	Coatings IV	Thursday 10th	10:50 - 12:30	J	2F
90143	Nikolai K Myshkin	Integrated in-line detector for oil condition monitoring in tribosystems		H-312	Oral	Tribosystems	Condition Monitoring II	Thursday 10th	08:40 - 10:20	H	1F
90144	Waldemar M. Dmochowski	Pivot Friction Effects on the Dynamic Properties of Tilting Pad Journal Bearings		C1-122	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication II	Tuesday 8th	10:50 - 12:30	C-1	1F
90146	Yoshitaka Nakanishi	Influence of molecular weight of hyaluronic acid on its viscosity and lubricating ability		H-424	Oral	Tribosystems	Biotribology V	Friday 11th	10:50 - 12:30	H	1F
90147	Ken Nakano	Tribological approach to tactile sensation	Invited	D-125	Oral	Symposium	Human-related tribology (New Trends in Human-related Tribology)	Tuesday 8th	10:50 - 12:30	D	1F
90148	Jozsef Fodor	IMPROVING THE ENVIRONMENTAL PROTECTION AND THE ECONOMY OF I.C. ENGINES WITH NEW TYPE OF ADDITIVE	Invited	D-222	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) II	Wednesday 9th	10:50 - 12:30	D	1F
90149	Zhongmin Jin	Computational Modelling of Tribology of Artificial Hip Joints	Keynote	H-321	Oral	Tribosystems	Biotribology I	Thursday 10th	10:50 - 12:30	H	1F
90150	Ilya I Kudish	Stable Numerical Solutions for Heavily Loaded Line EHL Contacts		C1-314	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication III	Thursday 10th	08:40 - 10:20	C-1	1F

Abstract Receipt No. 90154 - 90177

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90154	Shigeo Kotake	Electric contact analysis between metal and semiconductor by using Schottky effect		P-101	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90155	Nicholas D Spencer	Boundary Lubrication by Glycoproteins	Invited	D-115	Oral	Symposium	Human-related tribology (Cutting Edges of Tribology on Joint Prostheses)	Tuesday 8th	08:40 - 10:20	D	1F
90156	Shih-Hung Chang	Comparison of Surrogate Models for Modeling Island-Type Hydrostatic Bearings		P-302	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90157	Henrik Strand	Experimental wear evaluation of oil lubricated heavily loaded oscillating journal bearings		F-135	Oral	Manufacturing and Mechanical Components	Bearings - Journal Bearing	Tuesday 8th	15:00 - 16:40	F	1F
90159	Keiji Hayashi	Tribo-technologies for improving fuel efficiency		D-331	Oral	Minisymposium	Tribology for automotive fuel economy I	Thursday 10th	15:00 - 17:00	D	1F
90160	Shingo Maruyama	Development of alkanol amine esters that show low viscosity, good heat-stability and lubricity		B2-132	Oral	Minisymposium	Energy savings by use of synthetic lubricants (New Generation of Synthetic Lubricants)	Tuesday 8th	15:00 - 17:00	B-2	2F
90161	Shigeyuki Mori	The Critical Load for Formation of Nascent Steel Surface as an Activator for Tribochemical Decomposition of Lubricants	Keynote	C1-431	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication III	Friday 11th	14:00 - 15:40	C-1	1F
90162	Izumi Takayanagi	The investigation of improvement effects on friction properties of mononuclear MoDTCs having azaheterocycles by episulfidation	Invited	B2-113	Oral	Minisymposium	Additives technology of lubricants for the next generation I	Tuesday 8th	08:40 - 10:20	B-2	2F
90163	Akira Ohtake	Evaluation of dynamic behaviors of n-decane from photo-induced tunneling current		P-155	Poster	Micro-, Nano- and Molecular Tribology	Molecular Tribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90164	Sunggi Kim	Improving tribological performance of piston ring pack and cylinder bore pair by surface texturing		K-214	Oral	Surface Engineering	Texturing V	Wednesday 9th	08:40 - 10:20	K	2F
90166	Kazumi Sakai	Tribological properties of Thermo-Reversible Gel-Lubricants containing solid lubricants		P-340	Poster	Lubrication, Lubricants and Additives	Grease	Thursday 10th	14:00 - 15:00	Event Hall	1F
90167	Aleksei O Pozdnyakov	Molecular mechanisms of polymer composites wear as revealed by mass-spectrometry		G-211	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology I	Wednesday 9th	08:40 - 10:20	G	1F
90168	Masataka Nosaka	Cryogenic Tribology of High-Speed Bearings and Shaft Seals in Liquid Hydrogen	Invited	B1-112	Oral	Minisymposium	Hydrogen tribology for future energy I	Tuesday 8th	08:40 - 10:20	B-1	2F
90169	Izhak Etsion	The Effect of Surface Roughness on Static Friction and Junction Growth of an Elastic-Plastic Spherical Contact		I-141	Oral	Tribology Fundamentals	Contact Mechanics IV	Tuesday 8th	17:10 - 18:50	I	2F
90170	Shiuh-Hwa Shyu	Formulations of static parameters for finite-width turbulent journal bearings		C1-135	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication III	Tuesday 8th	15:00 - 16:40	C-1	1F
90171	Satish V Kailas	Performance evaluation of coconut and palm oils as lubricant in a four stroke engine		D-215	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) I	Wednesday 9th	08:40 - 10:20	D	1F
90172	Yukiteru Matsui	A Novel Photo-Resist Planarization Technology by Chemical Mechanical Polishing with Resin abrasive for Next Generation Semiconductor Devices		F-121	Oral	Manufacturing and Mechanical Components	Manufacturing -Other Process	Tuesday 8th	10:50 - 12:30	F	1F
90173	Ana Eva Jimenez Ballesta	EFFECT OF IMPREGNATION ON THE TRIBOLOGICAL PROPERTIES OF POLYSILOXANE-DERIVED CERAMIC-MATRIX COMPOSITES		H-141	Oral	Tribosystems	Automobiles IV	Tuesday 8th	17:10 - 18:50	H	1F
90176	John Fisher	Tribology for Life Tribological Demands of the Musculoskeletal System in the Ageing Population	Plenary talk	Plenary Talk4	Oral	Symposium	Human-related tribology (Cutting Edges of Tribology on Joint Prostheses)	Monday 7th	15:50 - 16:30	Main Hall	1F
90177	Dongphill Lim	The tribological properties of complex salt bath nitrocarburized low carbon alloy steel for pressure vessels		P-265	Poster	Manufacturing and Mechanical Components	Manufacturing Processes	Wednesday 9th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90178 - 90202

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90178	Withdrawn	Withdrawn		P-221	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90179	Takuya Morimoto	Contact mechanics of belt-pulley systems		P-102	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90180	Tasuku Onodera	Computational Chemistry Study on Tribochemistry of Additive-Based Solid Lubrication		P-353	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90181	Miroslav J Babic	Influence of Heat Treatment on Tribological properties of ZA-27 Alloy		J-213	Oral	Surface Engineering	Tribomaterials V	Wednesday 9th	08:40 - 10:20	J	2F
90182	Connor W Myant	Film thickness study for soft contacts using an optical interferometric technique		P-313	Poster	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90183	Hakan Kaleli	CHARACTERIZATION OF ADDITIVE'S LAYER THICKNESS IN ENGINE CRANKCASE OIL BETWEEN SLIDING PAIRS		C2-215	Oral	Lubrication, Lubricants and Additives	Additives III	Wednesday 9th	08:40 - 10:20	C-2	1F
90185	Gregory F Simmons	A comparative study of mineral based and environmentally adapted lubricants with viscosity index improvers in journal bearings		C2-333	Oral	Lubrication, Lubricants and Additives	Lubricating Oil IV	Thursday 10th	15:00 - 16:40	C-2	1F
90187	Azam Thatte	Soft EHL Analysis of an Elastomeric Hydraulic Seal During Transient Operation	Invited	B2-314	Oral	Minisymposium	Tribological aspects of fluid power I	Thursday 10th	08:40 - 10:20	B-2	2F
90188	Ikram ul Haq	A study on the wear resistance properties of the newly developed composite material for making artificial teeth		I-323	Oral	Tribology Fundamentals	Wear I	Thursday 10th	10:50 - 12:30	I	2F
90189	Jose Daniel B De Mello	SUPERIMPOSITION OF INTERACTIONS: A NEW APPROACH TO SIMULATING ABRASIVE WEAR MECHANISMS.		I-341	Oral	Tribology Fundamentals	Wear III	Thursday 10th	17:10 - 18:50	I	2F
90191	Toshiharu Kazama	A Thermohydrodynamic Lubrication Model Applicable to A Slipper of Swashplate Type Axial Piston Pumps and Motors	Invited	B2-312	Oral	Minisymposium	Tribological aspects of fluid power I	Thursday 10th	08:40 - 10:20	B-2	2F
90192	Withdrawn	Withdrawn		P-369	Poster	Tribosystems	Hard Disk Drives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90193	Akemi Ito	A Study on the Mechanism of Engines Oil Consumption		H-142	Oral	Tribosystems	Automobiles IV	Tuesday 8th	17:10 - 18:50	H	1F
90194	Yoshitaka Manabe	Influence of Automotive Gear Oil On Rolling Fatigue Strength of Steel Roller		C2-341	Oral	Lubrication, Lubricants and Additives	Lubricating Oil V	Thursday 10th	17:10 - 18:50	C-2	1F
90195	Kunihiro Matsumoto	Tribological properties of newly developed resin/RB ceramics composites		J-141	Oral	Surface Engineering	Tribomaterials IV	Tuesday 8th	17:10 - 18:50	J	2F
90196	Kenneth G Budinski	Measurement of Rolling Resistance		B1-321	Oral	Tribology Fundamentals	Friction II	Thursday 10th	10:50 - 12:30	B-1	2F
90197	Mitsugu Todo	Contact stress analysis for artificial knee joints during gait and flexional motions		H-413	Oral	Tribosystems	Biotribology IV	Friday 11th	08:40 - 10:20	H	1F
90198	Patrick P L Wong	Interfacial slippage characteristics of traction fluids		C1-332	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication V	Thursday 10th	15:00 - 16:40	C-1	1F
90200	Junhong Jia	High Temperature Tribological Characteristics of Fe-Mo-based Self-lubricating Composites		J-113	Oral	Surface Engineering	Tribomaterials I	Tuesday 8th	08:40 - 10:20	J	2F
90201	Junnosuke Koga	Effects of Stress Ratio on Fatigue Strength of Silicon Nitride Balls Under Cyclic Pressure Loads		F-412	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element I	Friday 11th	08:40 - 10:20	F	1F
90202	Takahiro Hatano	Granular Friction and Microearthquakes	Invited	D-412	Oral	Minisymposium	Science of friction I	Friday 11th	08:40 - 10:20	D	1F

Abstract Receipt No. 90203 - 90226

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90203	Masatoshi Yoshizaki	Influence of Running-in on Tooth Surface Strength Increase of Carburized Gears		C1-344	Oral	Manufacturing and Mechanical Components	Gears	Thursday 10th	17:10 - 18:50	C-1	1F
90204	Kazunari Asai	Influence of Outer Facing Design on Drag Torque of Automatic Transmission Wet Clutches		B1-324	Oral	Tribology Fundamentals	Friction II	Thursday 10th	10:50 - 12:30	B-1	2F
90205	Tetsuo Yamaguchi	Non-slip sliding friction of a sticky gel-sheet	Invited	D-413	Oral	Minisymposium	Science of friction I	Friday 11th	08:40 - 10:20	D	1F
90206	Hiroaki Amakawa	Dual-axis micro-mechanical probe for highly sensitive friction force microscope		P-171	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90207	Junya Ishii	Effects of Film Properties on Tribological Performance of TiN Duplex Coating		J-333	Oral	Surface Engineering	Coatings V	Thursday 10th	15:00 - 16:40	J	2F
90208	Satish V Kailas	Influence of Tilt Angle and Grinding Angle of the Plate on Friction and Transfer Layer Formation		K-142	Oral	Surface Engineering	Texturing IV	Tuesday 8th	17:10 - 18:50	K	2F
90210	Jian Li	Study on the tribological properties of three types of engineering ceramics in hydrogen peroxide solution with high concentration		I-425	Oral	Tribology Fundamentals	Wear V	Friday 11th	10:50 - 12:30	I	2F
90211	Yeau-Ren Jeng	Investigation into the lateral junction growth of single asperity contact using static atomistic simulations		G-341	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations IV	Thursday 10th	17:10 - 18:50	G	1F
90212	Qi Zhang	Influence of Low Friction MoS ₂ /Ti Coatings Produced by RF-sputtering		P-136	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90213	Abdul Samad Mohammed	Effect of the air-plasma pre-treatment of the substrate on the tribological properties of UHMWPE thin films coated onto Si.		K-235	Oral	Surface Engineering	Surface Modifications II	Wednesday 9th	15:00 - 16:40	K	2F
90215	Kanako Akazawa	Friction and Wear Properties of Bismuth Dialkyldithiocarbamate in Greases under Sliding Contacts		P-354	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90216	Bengt Wennehorst	Optical Investigations into Dynamic Radial Sealing Contacts With a Special Emphasis on the Application of the Laser Induced Fluorescence Method		F-321	Oral	Manufacturing and Mechanical Components	Seals I	Thursday 10th	10:50 - 12:30	F	1F
90217	Masato Otake	The Development of Single Process Lubricant for Cold Forging		P-347	Poster	Lubrication, Lubricants and Additives	Solid Lubricants	Thursday 10th	14:00 - 15:00	Event Hall	1F
90218	Philippa M Cann	Grease Degradation Assessed in HFRR Bench Test	Keynote	C2-321	Oral	Lubrication, Lubricants and Additives	Grease II	Thursday 10th	10:50 - 12:30	C-2	1F
90219	Toshihiko Sekine	Improvement in Tribological Characteristics of Polymer by using Supercritical Carbon Dioxide		P-355	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90220	Philippa M Cann	Lubricating Film Thickness Measurements on Bovine Serum and Simulated Synovial Fluid		P-317	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90221	A P Harsha	COMPARATIVE WEAR TESTS OF ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE AND CROSS-LINKED POLYETHYLENE		H-343	Oral	Tribosystems	Biotribology III	Thursday 10th	17:10 - 18:50	H	1F
90222	Kenichiro Suzuki	The control of friction coefficient of DLC coatings using micro-dimpled substrate.		K-224	Oral	Surface Engineering	Surface Modifications I	Wednesday 9th	10:50 - 12:30	K	2F
90224	Harry Grigg	QUANTIFICATION OF SELF-POLISHING IN VIVO FROM EXPLANTED METAL-ON-METAL TOTAL HIP REPLACEMENTS		H-323	Oral	Tribosystems	Biotribology I	Thursday 10th	10:50 - 12:30	H	1F
90225	Thomas J Joyce	THE WEAR OF ALL COBALT CHROME COUPLES, WITH AND WITHOUT AN AMORPHOUS CARBON COATING		H-332	Oral	Tribosystems	Biotribology II	Thursday 10th	15:00 - 16:40	H	1F
90226	Zhengbing Qi	Microstructure and Mechanical Properties of Al ₂ O ₃ /TiCN Coatings Prepared by MTCVD		J-424	Oral	Surface Engineering	Coatings VIII	Friday 11th	10:50 - 12:50	J	2F

Abstract Receipt No. 90228 - 90258

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90228	Irina Goryacheva	Modeling of friction due to adhesion and hysteresys losses		I-213	Oral	Tribology Fundamentals	Contact Mechanics V	Wednesday 9th	08:40 - 10:20	I	2F
90229	Wang You-Qiang	Non-Newtonian transient thermoelastohydrodynamic lubrication analysis of an involute spur gear		C1-232	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication II	Wednesday 9th	15:00 - 16:40	C-1	1F
90230	Jean Michel Martin	Green tribology: Lubricant-compliant superhard carbon coatings	Invited	B1-131	Oral	Minisymposium	Diamond-Like Carbon for tribology I	Tuesday 8th	15:00 - 16:40	B-1	2F
90232	Zhenyuan Zhong	A model for friction and wear calculation of piston ring and cylinder based on contact mechanics		H-133	Oral	Tribosystems	Automobiles III	Tuesday 8th	15:00 - 16:40	H	1F
90234	Mircea D Pascovici	IMPACT OF A RIGID SPHERE ON A HIGHLY COMPRESSIBLE POROUS LAYER IMBIBED WITH A NEWTONIAN LIQUID		C1-133	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication III	Tuesday 8th	15:00 - 16:40	C-1	1F
90235	Dong Zhu	Model-Based Virtual Texturing Surfaces in Concentrated Conformal-Contact Lubrication		K-133	Oral	Surface Engineering	Texturing III	Tuesday 8th	15:00 - 16:40	K	2F
90236	Dorina Ionescu	THE CONTROL OF PIPE WALL ABRASION IN PNEUMATIC TRANSPORT INSTALLATIONS THROUGH FLUID VELOCITY CONTROL BY INDUCING A VORTEX FLOW		I-432	Oral	Tribology Fundamentals	Wear VI	Friday 11th	14:00 - 15:40	I	2F
90237	Q. Jane Wang	Numerical Analysis of the Effect of Cavitation on Lubrication and Friction of Textured Parallel Surfaces		K-213	Oral	Surface Engineering	Texturing V	Wednesday 9th	08:40 - 10:20	K	2F
90241	Saverio Reina	A theoretical and experimental investigation of interfacial local slip and creepage in layered systems		I-114	Oral	Tribology Fundamentals	Contact Mechanics I	Tuesday 8th	08:40 - 10:20	I	2F
90244	Simon Medina	Continuum and atomistic approaches to modelling adhesion in rough contacts		I-214	Oral	Tribology Fundamentals	Contact Mechanics V	Wednesday 9th	08:40 - 10:20	I	2F
90245	Hieronim Janecki	FRICION SURFACE INVESTIGATION WITH ISOTOPES LABELLED FERROCENES		P-112	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90246	Abo Masayoshi	Surface Damage Evaluation of Ionmixing and Vapor Deposited TiN Coatings by Friction Test		P-103	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90248	Yicheng Yang	Study of the Lubricating Characteristic of Composite Grease with CNT Additive		C2-311	Oral	Lubrication, Lubricants and Additives	Grease I	Thursday 10th	08:40 - 10:20	C-2	1F
90249	Seock-Sam Kim	Thermo-mechanical Wear Mechanism of Ceramic Materials under Sliding Friction		I-223	Oral	Tribology Fundamentals	Contact Mechanics VI	Wednesday 9th	10:50 - 12:30	I	2F
90250	Min-Gyu Jang	Tribological Perception of Magneto-Rheological Fluid for Haptic Display.		J-134	Oral	Surface Engineering	Tribomaterials III	Tuesday 8th	15:00 - 16:40	J	2F
90253	Dan Guo	Extrusion formation on crystal silicon surface under sequential impacts studied by molecular dynamics simulation		G-345	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations IV	Thursday 10th	17:10 - 18:50	G	1F
90254	Wenzhong Wang	Behavior of surface dent in lubricated point-contacts		C1-233	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication II	Wednesday 9th	15:00 - 16:40	C-1	1F
90255	Dan Guo	Lubricating and Rheological Properties of Sodium Hyaluronate under Physiological Conditions		P-351	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90256	Hiroki Fujiwara	Study of a long-life thrust needle roller bearing lubricated with low viscous lubricant		F-232	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing I	Wednesday 9th	15:00 - 16:40	F	1F
90257	Hiromitsu Takaba	Development of Multi-Level Simulator for Tibology and its Applications		D-144	Oral	Symposium	Large-scale simulation in the field of tribology II	Tuesday 8th	17:10 - 18:50	D	1F
90258	Withdrawn	Withdrawn		C2-234	Oral	Lubrication, Lubricants and Additives	Additives V	Wednesday 9th	15:00 - 16:40	C-2	1F

Abstract Receipt No. 90259 - 90285

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90259	Ugur Mart	Calculation of viscosities of complex lubricants using ultra-accelerated quantum chemical molecular dynamics		G-324	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations II	Thursday 10th	10:50 - 12:30	G	1F
90260	Norikazu Gouda	Torque transference analysis for pulley with one way clutch at low temperature		F-431	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element III	Friday 11th	14:00 - 15:40	F	1F
90261	Motohisa Hirano	On the stability of the state of superlubricity		P-161	Poster	Micro-, Nano- and Molecular Tribology	Superlubricity	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90262	Atsushi Mitani	Evaluation of asymmetric surfaces by femtosecond laser process for microparts feeding		H-223	Oral	Tribosystems	Manufacturing Equipment	Wednesday 9th	10:50 - 12:30	H	1F
90263	Keiji Hirasata	Performances of aerodynamic, herring-bone grooved, foil bearing		F-222	Oral	Manufacturing and Mechanical Components	Bearings - Foil Bearing II	Wednesday 9th	10:50 - 12:30	F	1F
90264	Masayoshi Muraki	Oil film formability and traction of oils containing non-functionalized polyalkylmethacrylates		C2-225	Oral	Lubrication, Lubricants and Additives	Additives IV	Wednesday 9th	10:50 - 12:30	C-2	1F
90267	Naohiro Matsumoto	Synthesis of Onion-Like Carbon Film and its Tribological Properties		P-172	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90269	Hans-Joachim Scheibe	Industrial ta-C coating technology by Laser-assisted PVD	Invited	B1-133	Oral	Minisymposium	Diamond-Like Carbon for tribology I	Tuesday 8th	15:00 - 16:40	B-1	2F
90270	Shogo Harada	A Novel Coating Method for Rare Earth Metal Oxides by Hyperthermal Atomic Oxygen		P-202	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90271	Tong Yongxing	Friction and wear behavior of structural ceramics sliding against M50 bearing steel under vacuum condition		I-421	Oral	Tribology Fundamentals	Wear V	Friday 11th	10:50 - 12:30	I	2F
90272	Jean-Denis Beguin	Degradation mechanisms at Nanoscale of alumina nanocomposites with or without CNT		P-173	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90273	Takeshi Yamaguchi	Tribological and kinematic analysis of walking-style for reducing the peak traction coefficient between shoe sole and floor		B1-311	Oral	Tribology Fundamentals	Friction I	Thursday 10th	08:40 - 10:20	B-1	2F
90275	Masayuki Shima	A new coating technique by rubbing of fine particles		P-222	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90276	Dugarjav Tuvshin	Tribological behavior of hard porous carbon materials Rice Husk ceramics		J-144	Oral	Surface Engineering	Tribomaterials IV	Tuesday 8th	17:10 - 18:50	J	2F
90279	Junji Ando	Tribological properties of DLC-Si film under oil lubricated condition		P-223	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90280	Bo Peng	Experimental Research on Scuffing Behaviour of M50 Steel in Sliding/Rolling		I-331	Oral	Tribology Fundamentals	Wear II	Thursday 10th	15:00 - 16:40	I	2F
90281	Vincent Fridrici	Understanding of tribological behavior of cast iron in boundary lubrication: development of a phenomenological model		P-318	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90282	Guy Bayada	Bi-fluid thin film models and Floberg Elrod cavitation model	Keynote	C1-121	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication II	Tuesday 8th	10:50 - 12:30	C-1	1F
90283	Noel Brunetiere	An analytical approach of the TEHD behaviour of mechanical face seals operating in mixed friction.		F-322	Oral	Manufacturing and Mechanical Components	Seals I	Thursday 10th	10:50 - 12:30	F	1F
90284	Sophie Williams	Performance of hard-on-hard bearings for total hip replacement under adverse conditions	Invited	D-114	Oral	Symposium	Human-related tribology (Cutting Edges of Tribology on Joint Prostheses)	Tuesday 8th	08:40 - 10:20	D	1F
90285	Jean Bouyer	Stick-slip phenomenon induced by friction in a plain journal bearing during start-up		F-132	Oral	Manufacturing and Mechanical Components	Bearings - Journal Bearing	Tuesday 8th	15:00 - 16:40	F	1F

Abstract Receipt No. 90287 - 90313

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90287	Alexey Shinkarenko	Improving the Tribological Performance of an Elastomer Lip Seal by Surface Texturing		K-121	Oral	Surface Engineering	Texturing II	Tuesday 8th	10:50 - 12:30	K	2F
90289	Mars Sh Migranov	TRIBOTEHNICAL CHARACTERISTICS OF THE MODIFIED SURFACE OF THE CUTTING TOOL		K-325	Oral	Surface Engineering	Surface Modifications IV	Thursday 10th	10:50 - 12:30	K	2F
90290	Uzuhiko Tsuboi	Observations on Japanese tribological history and representative heritages from ancient to modern times	Invited	B1-232	Oral	Minisymposium	History of Tribology	Wednesday 9th	15:00 - 17:30	B-1	2F
90291	Ming Qiu	Effect of oxygen content on tribological behaviors of chromium steel under dry sliding conditions		K-423	Oral	Tribology Fundamentals	Friction VI	Friday 11th	10:50 - 12:30	K	2F
90292	Hiroshi Matsukawa	Friction on atomically clean substrate		G-332	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations III	Thursday 10th	15:00 - 16:40	G	1F
90293	Rustam I Akhmetshin	MANAGEMENT OF THERMAL STREAMS AT USE OF THE TOOL WITH WEARPROOF COVERINGS		P-104	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90294	M.Danial Ibrahim	Optimization of Small Size Thrust Air Bearing with the Consideration of Groove Dimensions and Geometry Variables		P-303	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90295	Tadashi Namba	Measurement of film thickness of thrust air bearing to consider an alteration of temperature		P-304	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90296	Puttha Jeenkour	Experimental and Theoretical Investigations into Slippage Phenomena in Wound Webs		B1-315	Oral	Tribology Fundamentals	Friction I	Thursday 10th	08:40 - 10:20	B-1	2F
90297	Masakazu Odagiri	Numerical study of thin lubricant layer based on Langevin method.		P-165	Poster	Micro-, Nano- and Molecular Tribology	Molecular Simulations	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90300	Irina Goryacheva	NANOPOROUS POLYMERIC ANTIFRICTION MATERIAL FOR BIOMEDICAL TRIBOLOGICAL APPLICATIONS		J-114	Oral	Surface Engineering	Tribomaterials I	Tuesday 8th	08:40 - 10:20	J	2F
90302	Gregory Favaro	Scratch Resistance of Platinum Coatings		J-344	Oral	Surface Engineering	Coatings VI	Thursday 10th	17:10 - 19:10	J	2F
90303	Withdrawn	Withdrawn		P-105	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90304	Jun Sun	A Study on Thermohydrodynamic Lubrication of Misaligned Journal Bearing with Rough Surface		P-271	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90306	Jean Michel Martin	ZDDP antiwear mechanisms revisited	Invited	B1-211	Oral	Minisymposium	Ultra-mild wear and tribo-chemical interactions	Wednesday 9th	08:40 - 10:40	B-1	2F
90307	Yuri Kligerman	Shakedown in Spherical Contact under Combined Normal and Cyclic Tangential Loading		I-112	Oral	Tribology Fundamentals	Contact Mechanics I	Tuesday 8th	08:40 - 10:20	I	2F
90308	Agnieszka Karpinska	Influence of anti-wear additives on surface conformity development during running-in of steel surfaces		I-433	Oral	Tribology Fundamentals	Wear VI	Friday 11th	14:00 - 15:40	I	2F
90309	Takeshi Suzuki	Tribological Modeling from In-situ Monitoring of Metal Friction and Wear		B1-343	Oral	Tribology Fundamentals	Friction IV	Thursday 10th	17:10 - 18:50	B-1	2F
90311	Antoine Chateauinois	Cyclic shear properties of thin polymer films within contacts.		I-121	Oral	Tribology Fundamentals	Contact Mechanics II	Tuesday 8th	10:50 - 12:30	I	2F
90312	David M Heyes	Non-equilibrium Molecular Dynamics Simulations of Shear Characteristics in Dry and Lubricated Contacts		G-312	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations I	Thursday 10th	08:40 - 10:20	G	1F
90313	Withdrawn	Withdrawn		P-370	Poster	Tribosystems	Hard Disk Drives	Thursday 10th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90314 - 90337

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90314	Luis San Andres	Identification of Force Coefficients in a Squeeze Film Damper and Mechanical Seal System with a Large Contact Force		C1-144	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication IV	Tuesday 8th	17:10 - 18:50	C-1	1F
90315	Zhongrong Zhou	Dental tribology	Invited	D-124	Oral	Symposium	Human-related tribology (New Trends in Human-related Tribology)	Tuesday 8th	10:50 - 12:30	D	1F
90317	Tung-Sheng Yang	Determination of constitutive properties of thin film on substrate by nanoindentation using FEM and abductive network		P-224	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90318	Hidetsugu Yamamoto	Technical Challenge to Reduce Friction of Piston Rings		D-335	Oral	Minisymposium	Tribology for automotive fuel economy I	Thursday 10th	15:00 - 17:00	D	1F
90319	Hiroyuki Yoshida	Analysis of Design Parameters for Low Current Electrical Sliding Contacts		F-415	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element I	Friday 11th	08:40 - 10:20	F	1F
90320	Azusa Ide	New life prediction method of the grease by the activation energy		C2-322	Oral	Lubrication, Lubricants and Additives	Grease II	Thursday 10th	10:50 - 12:30	C-2	1F
90321	Shin-Yuh Chern	The Effect of Adhesion and Hardness of Coating Film on Contact Behavior for Elliptic Rough Surfaces		P-174	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90322	Shuichi Yasuda	Analysis of Tribological Characteristics on Sliding Surfaces between Shoe and Swash plate in a Compressor of Automotive Air Conditioner (Influence of Shoe Dimensions on Tribological Characteristics)		H-144	Oral	Tribosystems	Automobiles IV	Tuesday 8th	17:10 - 18:50	H	1F
90323	Akinobu Wakabayashi	Characteristics of new PFPE lubricants with phenoxy groups		B1-414	Oral	Minisymposium	Tribology in information storage systems I	Friday 11th	08:40 - 10:40	B-1	2F
90325	Kiyoshi Mabuchi	Failure criterion of ultra-high molecular weight polyethylene at high-stress contact in a total knee prosthesis		H-342	Oral	Tribosystems	Biotribology III	Thursday 10th	17:10 - 18:50	H	1F
90327	Osamu Higashida	Development of a New Wheel Tread Profile and the Examination result in Narrow-gauge Lines		B1-341	Oral	Tribology Fundamentals	Friction IV	Thursday 10th	17:10 - 18:50	B-1	2F
90328	Masaru Suzuki	Sliding friction of multilayer helium films	Invited	D-424	Oral	Minisymposium	Science of friction II	Friday 11th	10:50 - 12:55	D	1F
90329	Atsushi Hashimoto	Fracture of Glass Plate Induced by Frictional Forces and the Applications		P-113	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90330	Zhuan Li	The Morphology and Form Mechanism of SiC in Three-dimensional Needled C/C-SiC Braking Composites		P-175	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90331	Hiroshi Mishina	Magnetization phenomenon of surfaces through a generation of single-magnetic-domain particles by friction between ferromagnetic materials		I-415	Oral	Tribology Fundamentals	Wear IV	Friday 11th	08:40 - 10:20	I	2F
90332	Yoshimi Takeshi	Design Method for Rolling Contact with plastic Deformation		P-314	Poster	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90333	Yasuyoshi Tozaki	Study on Variable Preload Type Micro-Traction-Drive Utilized Taper-Roller Bearing under Forward Reverse Condition		C1-313	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication III	Thursday 10th	08:40 - 10:20	C-1	1F
90334	Keiichi Narita	Impact of Lubricating Base Stocks on Transmittable Torque Capacity with Application to Metal V-Belt Pushing type CVT Fluids		B2-224	Oral	Lubrication, Lubricants and Additives	Lubricating Oil II	Wednesday 9th	10:50 - 12:30	B-2	2F
90335	Matthias M Gatzen	Frictional Investigations on Ball Bearings Lubricated Using Greases with Polymer Additives		B2-414	Oral	Minisymposium	Innovative study of lubricating grease I	Friday 11th	08:40 - 10:40	B-2	2F
90336	Ichiro Minami	Additive technology for synthetic oils		B2-141	Oral	Minisymposium	Energy savings by use of synthetic lubricants (Additives and Applications)	Tuesday 8th	17:08 - 18:20	B-2	2F
90337	Yoshitomo Noda	Fretting Wear Protection Property of Lubricating Greases conducted under a impact fretting condition		P-341	Poster	Lubrication, Lubricants and Additives	Grease	Thursday 10th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90338 - 90362

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90338	Ichiro Minami	A proposal of lubricant maintenance by peroxide value monitoring		B2-333	Oral	Tribosystems	Railways, Heavy Machinery and Maintenance	Thursday 10th	15:00 - 16:40	B-2	2F
90339	Tomoko Ikeda-Fukazawa	Why is ice slippery?	Invited	D-421	Oral	Minisymposium	Science of friction II	Friday 11th	10:50 - 12:55	D	1F
90340	Xinlei Gao	Study of tribological properties of lubricant- oils based upon microbial oils modified with Schiff base complex		C2-413	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VI	Friday 11th	08:40 - 10:20	C-2	1F
90342	Yoh Akiyama	Oil degradation sensing for engine oil by permittivity measurement		P-327	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
90344	Masashi Wada	Effect of a Trace Amount of Water on Tribological Characteristics of Nitride-Based Ceramics against Steel in High-Temperature Fuel		J-145	Oral	Surface Engineering	Tribomaterials IV	Tuesday 8th	17:10 - 18:50	J	2F
90345	Masanori Seki	Effect of Cavitation Peening on Tribological Characteristics of Carbon Steel		K-322	Oral	Surface Engineering	Surface Modifications IV	Thursday 10th	10:50 - 12:30	K	2F
90346	Saiko Aoki	Comparison of Friction Characteristics of Phosphorous Ion Implanted Steels with Different Phosphorous Distribution Profiles		C1-423	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication II	Friday 11th	10:50 - 12:30	C-1	1F
90347	Makoto Kano	Advanced technology for applying DLC coating	Invited	B1-134	Oral	Minisymposium	Diamond-Like Carbon for tribology I	Tuesday 8th	15:00 - 16:40	B-1	2F
90348	Masaki Sato	Static Characteristics of Small-sized Air Foil Thrust Bearings		P-305	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90349	Tsutomu Yagi	Gas discharge behavior of ionic liquid lubricant on sliding metals under high vacuum condition.		P-328	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
90350	Keiji Nakayama	Two-dimensional Distribution and Photon Energy of Triboplasma Generated Under Different Combinations of Sliding Partners		G-432	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VII	Friday 11th	14:00 - 15:40	G	1F
90352	Kei Shibata	Tribological properties of newly developed Cu/C/RBC composites as pantograph slider material of railway current collector		J-121	Oral	Surface Engineering	Tribomaterials II	Tuesday 8th	10:50 - 12:30	J	2F
90353	Koki Ito	Development of phosphorus-free engine oil : Anti-wear performance of sulfur compound as substitute ZnDTPs		B2-213	Oral	Lubrication, Lubricants and Additives	Lubricating Oil I	Wednesday 9th	08:40 - 10:20	B-2	2F
90354	Daisuke Inoue	Rotational motion of C ₆₀ in C ₆₀ intercalated graphite films		P-162	Poster	Micro-, Nano- and Molecular Tribology	Superlubricity	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90355	Tomohiko Kitamura	Effect of machining oil properties on EDM performance		P-286	Poster	Manufacturing and Mechanical Components	Other Components	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90356	Katsuyuki Fujimura	Effect of source gas on life of DLC film-coated die for working process of aluminum sheet under dry conditions		P-225	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90357	Geng Liu	An adaptive multiscale method for two dimensional nanoscale adhesive contacts		G-123	Oral	Micro-, Nano- and Molecular Tribology	Microtribology II	Tuesday 8th	10:50 - 12:30	G	1F
90359	Nozomi Oda	Experimental study on static and dynamic characteristics of small sized aerostatic annular thrust bearings with inherently compensated orifice restrictors		P-306	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90360	Withdrawn	Withdrawn		I-423	Oral	Tribology Fundamentals	Wear V	Friday 11th	10:50 - 12:30	I	2F
90361	Mareike Hahn	Wear of Nanocrystalline Cylinder Liner Coatings for Highly Loaded Diesel Engines		H-134	Oral	Tribosystems	Automobiles III	Tuesday 8th	15:00 - 16:40	H	1F
90362	Yuta Ostu	Instability of a rigid rotor supported by aerostatic journal bearings with compound restrictors		P-307	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90364 - 90388

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90364	Jiang Li	Surface potential interactions between silica particle and alloy surface with ion implantation in aqueous medium		G-135	Oral	Micro-, Nano- and Molecular Tribology	Microtribology III	Tuesday 8th	15:00 - 16:40	G	1F
90367	Fangnien Bavouzet	Correlation between superlow friction and electrical contact resistance in a steel on steel contact lubricated by glycerol		D-432	Oral	Micro-, Nano- and Molecular Tribology	Superlubricity	Friday 11th	14:00 - 15:40	D	1F
90368	Hyeon Dong Jo	Sliding Contact Analysis between a Spherical Elastic Particle and Rubber Seal, and Surface Coated Steel Counterface		J-413	Oral	Surface Engineering	Coatings VII	Friday 11th	08:40 - 10:20	J	2F
90369	Sergey V Chertovskih	Tribological behavior of ultrafine-grained Ti-based alloys		P-156	Poster	Micro-, Nano- and Molecular Tribology	Molecular Tribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90370	Tae Jo Park	Effect of Groove Sectional Shape on the Lubrication Characteristics of Hydraulic Spool Valve		B2-313	Oral	Minisymposium	Tribological aspects of fluid power I	Thursday 10th	08:40 - 10:20	B-2	2F
90371	Kazuaki Toda	A study on Sulfidation corrosion and tribology characteristics of the copper alloy for plain bearing		P-203	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90372	Yun Geon Hwang	Effect of Film Thickness and Micro-Dimple Shape on the Lubrication Characteristics of Laser Textured Parallel Thrust Bearing		P-211	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90373	Takeshi Hishinuma	Lubrication of the ball bearing by HYBRID grease		C2-313	Oral	Lubrication, Lubricants and Additives	Grease I	Thursday 10th	08:40 - 10:20	C-2	1F
90374	Masao Eguchi	Measurement of the real contact area by light induced fluorescence		H-313	Oral	Tribosystems	Condition Monitoring II	Thursday 10th	08:40 - 10:20	H	1F
90375	Ryo Mukai	Tribological Properties of Cu-Sn-Bi Bushing for Transmissions		P-204	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90376	Janet Wong	Mobility of Highly Confined Polymers		G-214	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology I	Wednesday 9th	08:40 - 10:20	G	1F
90377	Rafic Merhej	Damage detection of fretting wear contact monitoring in continuous by Acoustic Emission		P-205	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90378	Juliette Cayer-Barrioz	Frictional and rheological behaviour of EHL films: the relative influence of additives and base oil		C1-322	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication IV	Thursday 10th	10:50 - 12:30	C-1	1F
90379	Atsushi Okuno	Evaluation method of static and kinetic friction characteristics by piezoelectric impact drive mechanism		P-114	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90380	Hajime Kobayashi	Sliding friction of Kr films adsorbed on single crystalline graphite substrate		P-176	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90381	Nicolas Fillot	Complementary scales and models to better describe lubricated contacts	Keynote	C1-421	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication II	Friday 11th	10:50 - 12:30	C-1	1F
90383	Yukio Ito	Effect of dispersion morphology of TiB ₂ particles on wear resistance of hot forging die		K-324	Oral	Surface Engineering	Surface Modifications IV	Thursday 10th	10:50 - 12:30	K	2F
90384	Julien Perret	Surface chemical effects on the mechanical response of 304L stainless steel to tribocorrosion		I-412	Oral	Tribology Fundamentals	Wear IV	Friday 11th	08:40 - 10:20	I	2F
90386	Koichi Otsuka	Influence of the temperature of friction part on the friction characteristics in artificial hip joints		P-382	Poster	Tribosystems	Biotribology	Thursday 10th	14:00 - 15:00	Event Hall	1F
90387	Toshiaki Iwai	Metal-metal Friction Characteristics from CVT Fluids Containing Phosphorus Additives under Extremely High Contacting Pressure Conditions		B2-211	Oral	Lubrication, Lubricants and Additives	Lubricating Oil I	Wednesday 9th	08:40 - 10:20	B-2	2F
90388	Hayato Ogawa	Effect of surface texturing pattern on tribological property of slideway		P-212	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90389 - 90412

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90389	Marie-Christine Baietto Dubourg	X-FEM frictional contacting crack model for fretting crack propagation		I-221	Oral	Tribology Fundamentals	Contact Mechanics VI	Wednesday 9th	10:50 - 12:30	I	2F
90390	Thomas Reddyhoff	LUBRICATION OF HIGH SLIDING MEMS		G-112	Oral	Micro-, Nano- and Molecular Tribology	Microtribology I	Tuesday 8th	08:40 - 10:20	G	1F
90391	Wojciech Litwin	INFLUENCE OF BEARING BUSH GEOMETRY ON PROPERTIES OF WATER LUBRICATED MARINE MAIN SHAFT BEARINGS		C1-145	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication IV	Tuesday 8th	17:10 - 18:50	C-1	1F
90393	Marie-Christine Baietto Dubourg	Numerical analysis based on localized multigrid X-FEM of 3D crack pattern formation during the scratching of a polymer		I-222	Oral	Tribology Fundamentals	Contact Mechanics VI	Wednesday 9th	10:50 - 12:30	I	2F
90394	Thomas Reddyhoff	THERMAL ASPECTS OF DEBRIS IN EHL CONTACTS		C1-222	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication I	Wednesday 9th	10:50 - 12:30	C-1	1F
90395	Katsuya Okayama	A study on the effect of iron oxide (Fe ₂ O ₃) in a brake pad on pad wear		H-122	Oral	Tribosystems	Automobiles II	Tuesday 8th	10:50 - 12:30	H	1F
90396	Kuniaki Dohda	Size Effect on Tribological Phenomena in Micro Metal Forming		P-115	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90398	Konstantin V Shalnov	Materials Modification with Combined Ion Implantation		K-234	Oral	Surface Engineering	Surface Modifications II	Wednesday 9th	15:00 - 16:40	K	2F
90399	Noriaki Itamura	Superlubricity of C ₆₀ and C ₇₀ Bearings		P-163	Poster	Micro-, Nano- and Molecular Tribology	Superlubricity	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90400	Tomonaga Oyamada	Investigating Low Friction Behavior of PEEK Reinforced with Carbon Fibers in Nitrogen at Normal and Cryogenic Temperatures		J-212	Oral	Surface Engineering	Tribomaterials V	Wednesday 9th	08:40 - 10:20	J	2F
90401	Masahiro Yanagisawa	Chemical Analysis of Carbon Overcoat and Lubricant Films for Magnetic Disks Using Ultra-high Sensitive Molecular Sensor with Plasmon Antenna		B1-416	Oral	Minisymposium	Tribology in information storage systems I	Friday 11th	08:40 - 10:40	B-1	2F
90402	Satoshi Bunne	Development of High Lubricating Grease for Splines		C2-312	Oral	Lubrication, Lubricants and Additives	Grease I	Thursday 10th	08:40 - 10:20	C-2	1F
90403	Kiyotaka Ikejo	Tooth Surface Temperature and Tooth Root Stress of Spur Gear with Large Face Width		P-280	Poster	Manufacturing and Mechanical Components	Gears	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90404	Tomoharu Akagaki	Seizure Behaviors of PEEK Materials in Lubricated Sliding Friction at High Speed		J-214	Oral	Surface Engineering	Tribomaterials V	Wednesday 9th	08:40 - 10:20	J	2F
90405	Shinya Kondo	Recent Technology of CV Joint Grease		D-346	Oral	Minisymposium	Tribology for automotive fuel economy II	Thursday 10th	17:10 - 19:10	D	1F
90406	Hideaki Okamoto	Simulation of Nanoscale Adhesion and Peeling Processes of Carbon Nanostructures		P-157	Poster	Micro-, Nano- and Molecular Tribology	Molecular Tribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90407	Steve Franklin	Investigation of the friction behaviour of textured silicone rubber against human skin		H-432	Oral	Tribosystems	Biotribology VI	Friday 11th	14:00 - 15:40	H	1F
90408	Koji Sakakibara	Development of Noise Reducing Grease (Part 2) - Clarification of Noise Reduction Mechanism -		P-342	Poster	Lubrication, Lubricants and Additives	Grease	Thursday 10th	14:00 - 15:00	Event Hall	1F
90409	Vincent Le Houerou	Adhesive dynamic JKR contact: experiments and principle of analysis		P-106	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90411	Naruo Sasaki	Control of Chaos and Nonlinearity of Pico-Force Detection in Vertical- and Lateral-Mode Atomic Force Microscopy		D-433	Oral	Micro-, Nano- and Molecular Tribology	Superlubricity	Friday 11th	14:00 - 15:40	D	1F
90412	Enrico Ciulli	Formulas for friction coefficient estimation in non-conformal lubricated contacts		C1-312	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication III	Thursday 10th	08:40 - 10:20	C-1	1F

Abstract Receipt No. 90413 - 90438

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90413	Nikolay Belyakov	Generalized boundary condition approach in heat transfer frictional problems		P-116	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90415	Andrzej Mruk	The effect of the soot contained in oil on the wear of the timing gear elements in a combustion engine		P-329	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
90417	Viktor G Novytskyy	TRIBOLOGICAL CHARACTERISTICS OF CAST CU-BASED ALLOYS WITH DIFFERENT INITIAL STRUCTURE UNDER DRY SLIDING FRICTION		P-137	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90418	Kyosuke Ikuma	Development of Noise Reducing Grease (Part 1) - The Impact of Oil Film Thickness on Noise Reduction Characteristics of Greases -		C2-314	Oral	Lubrication, Lubricants and Additives	Grease I	Thursday 10th	08:40 - 10:20	C-2	1F
90419	Toshiaki Endo	The Recent Trend of Urea Grease	Keynote speech	B2-412	Oral	Minisymposium	Innovative study of lubricating grease I	Friday 11th	08:40 - 10:40	B-2	2F
90420	Toshiyuki Maeda	The friction characteristic improvement by the dimple of a piston seal for hydraulic cylinder.		F-344	Oral	Manufacturing and Mechanical Components	Seals III	Thursday 10th	17:10 - 18:50	F	1F
90421	Marian M. Szczerek	Ecological gear oils - good perspectives or dead-end? Comprehensive comparison of two equivalent industrial gear oils - with a natural and mineral base		C2-332	Oral	Lubrication, Lubricants and Additives	Lubricating Oil IV	Thursday 10th	15:00 - 16:40	C-2	1F
90422	Alena Ivanovna Mardasevich	Complex monitoring of technical state of reducers in terms of tribological and vibration parameters		P-379	Poster	Tribosystems	Condition Monitoring	Thursday 10th	14:00 - 15:00	Event Hall	1F
90423	Ping Huang	Study on the influence of temperature on micro friction in point contacts		G-435	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VII	Friday 11th	14:00 - 15:40	G	1F
90424	Marat A. Bronovets	Research of friction and wear in open space		B2-342	Oral	Tribosystems	Aerospace	Thursday 10th	17:10 - 18:50	B-2	2F
90425	Mokhtar O.A. Mokhtar	Effect of External Pre-load on the Tribological Behavior of Polyethylene		P-107	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90426	Emin Y Avan	Oil Film Thickness Measurement between an Automotive Piston Ring and Cylinder using an Ultrasonic Technique		P-315	Poster	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90428	Denis Mazuyer	Laser Textured EHL Contact in Steady-state Regime and Transient Conditions	Keynote	C1-221	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication I	Wednesday 9th	10:50 - 12:30	C-1	1F
90430	Jun Shimizu	Molecular Dynamics Simulation of Chemical Reactions Assisted Grinding with Control of Interatomic Potential Parameters		G-342	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations IV	Thursday 10th	17:10 - 18:50	G	1F
90431	F. Guo	Interferometry measurement of lubricating oil film thickness in a slider-on-disc conformal contact		I-134	Oral	Tribology Fundamentals	Contact Mechanics III	Tuesday 8th	15:00 - 16:40	I	2F
90432	Li Wu	Elementary Study of Modifying UHMWPE with Schiff Base Copper Complex for the Use as an Artificial Hip Joint Material		B1-312	Oral	Tribology Fundamentals	Friction I	Thursday 10th	08:40 - 10:20	B-1	2F
90433	Hassan Berro	The Effect of Different Thermostating Techniques on Friction and Dissipation in Molecular Dynamics Simulations of Confined Lubricant Films		G-325	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations II	Thursday 10th	10:50 - 12:30	G	1F
90435	Yosuke Nishitani	Effects of Addition of Thermoplastic Elastomers on Tribological and Mechanical Properties of Vapor Grown Carbon Fiber Filled Polybutylene Terephthalate Composites		P-206	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90436	Albert Pogosian	Vibrostability calculation of disk brakes of vehicles		P-359	Poster	Tribosystems	Automobiles	Thursday 10th	14:00 - 15:00	Event Hall	1F
90437	Juliane Benedet	Tribological characteristics of ashless phosphorus and phosphorus-sulphur based antiwear additives		C2-132	Oral	Lubrication, Lubricants and Additives	Additives I	Tuesday 8th	15:00 - 16:40	C-2	1F
90438	Youyun Zhang	Study on the oscillating sliding contact considering uneven temperature distribution		I-313	Oral	Tribology Fundamentals	Contact Mechanics VIII	Thursday 10th	08:40 - 10:20	I	2F

Abstract Receipt No. 90439 - 90467

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90439	Gregory Favaro	Tribological and mechanical properties of ultrananocrystalline diamond/amorphous carbon composite films		J-314	Oral	Surface Engineering	Coatings III	Thursday 10th	08:40 - 10:20	J	2F
90440	Nazlim Bagcivan	PVD component coatings for environmentally friendly tribosystems		D-234	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) III	Wednesday 9th	15:00 - 16:40	D	1F
90441	Jian Wen Choo	The Influence of Base Fluids on Film Formation Behaviour of Zinc Dialkyl-Dithiophosphate (ZDDP) Antiwear Additive Types in Automotive Lubricants		C2-212	Oral	Lubrication, Lubricants and Additives	Additives III	Wednesday 9th	08:40 - 10:20	C-2	1F
90442	Shunsuke Sugiura	Friction of polyvinyl alcohol gels prepared by a cast-drying method		H-345	Oral	Tribosystems	Biotribology III	Thursday 10th	17:10 - 18:50	H	1F
90447	Wassim Habchi	A finite element fully-coupled approach to solve EHD problems - How to build an EHL solver in less than ten minutes?		C1-315	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication III	Thursday 10th	08:40 - 10:20	C-1	1F
90448	Saverio SA Affatato	A NEW THERMO-COMPRESSED CROSS-LINKED POLYETHYLENE: LONG-TERM IN-VITRO WEAR PERFORMANCE		I-321	Oral	Tribology Fundamentals	Wear I	Thursday 10th	10:50 - 12:30	I	2F
90449	Andrei M Tudor	The capillary effect about adhesion and friction for rough surfaces		K-425	Oral	Tribology Fundamentals	Friction VI	Friday 11th	10:50 - 12:30	K	2F
90450	Seyed Ali Jazayeri	Effect of Cavitation Modeling Approach on the Performance of a Statically Loaded Journal Bearing		C1-115	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication I	Tuesday 8th	08:40 - 10:20	C-1	1F
90451	Jacek Przepiorka	The methods for increasing the durability of polymer/metal friction pairs		K-312	Oral	Surface Engineering	Surface Modifications III	Thursday 10th	08:40 - 10:20	K	2F
90452	Xinping Yan	Study of Wear Evaluation in Reliability Test of Diesel Engine Using Evidence Theory		H-234	Oral	Tribosystems	Condition Monitoring I	Wednesday 9th	15:00 - 16:40	H	1F
90453	Sumihiro Matsumura	Development of a quantitative wear depth measurement method for read/write element in Hard Disk Drive.		H-212	Oral	Tribosystems	Hard Disk Drives	Wednesday 9th	08:40 - 10:20	H	1F
90454	Lucy Y Clasohm	Investigation of the effects of surface chemistry and surface morphology on adhesion and friction using a gradient substrate		K-431	Oral	Tribology Fundamentals	Friction VII	Friday 11th	14:00 - 15:40	K	2F
90455	Jarred N Clasohm	Measuring the interactions between lubricious, water-soluble polymer brushes		C1-413	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication I	Friday 11th	08:40 - 10:20	C-1	1F
90456	Michael N Kotzalas	Design of a High Speed Back-Up Roll Chock-Bearing System for Optimized Oil Flow Rate		B2-331	Oral	Tribosystems	Railways, Heavy Machinery and Maintenance	Thursday 10th	15:00 - 16:40	B-2	2F
90459	Michael N Kotzalas	Tribological Properties of High-Oleic Biodegradable Soybean based Lubricant		B2-215	Oral	Lubrication, Lubricants and Additives	Lubricating Oil I	Wednesday 9th	08:40 - 10:20	B-2	2F
90460	Andrzej Kotnarowski	Application of metal nanoparticles as modifiers of lubricants tribological behaviour		P-356	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90461	Angelos Zografos	Fretting failures in wheel/hub type bolted assemblies: a combined experimental and numerical investigation		H-124	Oral	Tribosystems	Automobiles II	Tuesday 8th	10:50 - 12:30	H	1F
90462	Nikolay Aleksandrovich Krylov	Structural and Phase Model of Increase of Wear Resistance of Overlaying Welding Materials		P-226	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90464	Robbie Balcombe	Rolling contact fatigue cracks in the presence of lubrication: a coupled theoretical approach to describe the fluid/solid interaction		P-272	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90466	Ben Elvidge	Molebdenum Additive Technology for Engine Oil Applications		C2-231	Oral	Lubrication, Lubricants and Additives	Additives V	Wednesday 9th	15:00 - 16:40	C-2	1F
90467	Nicholas Epiphaniou	Mechanical behaviour of voronorised Cu/Ag tribopair during large-scale atomistic simulations of dynamic friction		D-133	Oral	Symposium	Large-scale simulation in the field of tribology I	Tuesday 8th	15:00 - 16:40	D	1F

Abstract Receipt No. 90469 - 90496

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90469	Remigiusz Michalczewski	New ecological technology for heavy-loaded machine elements	Invited	D-213	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) I	Wednesday 9th	08:40 - 10:20	D	1F
90470	Florian Gruen	Influence of overlays on the tribological behaviour of journal bearing materials		F-131	Oral	Manufacturing and Mechanical Components	Bearings - Journal Bearing	Tuesday 8th	15:00 - 16:40	F	1F
90472	Vladimir A Levchenko	NEW NANOSTRUCTURAL DLC COATINGS - ORIENTANTS AND THEIR INFLUENCE ON OILS LUBE ABILITY		K-223	Oral	Surface Engineering	Surface Modifications I	Wednesday 9th	10:50 - 12:30	K	2F
90473	Denis Mazuyer	Friction dynamics and vibro-acoustics of a water lubricated rubber/glass contact		B1-344	Oral	Tribology Fundamentals	Friction IV	Thursday 10th	17:10 - 18:50	B-1	2F
90475	Motoyasu Kobayashi	Frictional property and wear resistance of cross-linked polyelectrolyte brush under wet condition		K-313	Oral	Surface Engineering	Surface Modifications III	Thursday 10th	08:40 - 10:20	K	2F
90477	Christian Gauthier	Geometry of the groove left on the surface and of the self healing in case of polymer scratching		P-108	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90478	Hiroki Yamada	The effects of hydrogen on microstructural change and surface originated flaking in rolling contact fatigue		B1-113	Oral	Minisymposium	Hydrogen tribology for future energy I	Tuesday 8th	08:40 - 10:20	B-1	2F
90481	Keisuke Shimizu	Frictional properties between CVD diamond and high-hardness steels		J-142	Oral	Surface Engineering	Tribomaterials IV	Tuesday 8th	17:10 - 18:50	J	2F
90482	Jing Wang	Effect of oil starvation thermal EHL in point contact with surface irregularity		C1-323	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication IV	Thursday 10th	10:50 - 12:30	C-1	1F
90483	Keiji Sasaki	<i>in-situ</i> Observation of Phase Transition Behavior of <i>n</i> -Alkane Molecules induced by Friction Motion on Metal Interface		C1-424	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication II	Friday 11th	10:50 - 12:30	C-1	1F
90484	Tatsuya Sasaki	Antiseizure Property of Manganese Phosphate in Dry Conditions		P-227	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90485	Naohide Tomita	Polyethylene added with vitamin E As bearing surface for total joint replacement	Invited	D-112	Oral	Symposium	Human-related tribology (Cutting Edges of Tribology on Joint Prostheses)	Tuesday 8th	08:40 - 10:20	D	1F
90486	Takahiro Nakamura	Control of tribochemical reactions and tribological properties by textured surface		P-213	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90488	Sosuke Kawai	Development of Wet Friction Material for Anti hot-spot through Quantitative analysis		P-117	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90489	Katsuhiko Kizawa	Effect of Retained Austenite on Microstructural Change in Surface-initiated Flaking Process of Rolling Bearings		F-233	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing I	Wednesday 9th	15:00 - 16:40	F	1F
90491	Nariko Hosomi	Superlubric properties and Structure of C60 intercalated graphite		P-164	Poster	Micro-, Nano- and Molecular Tribology	Superlubricity	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90492	Atsushi Morijiri	Boundary film formation from nano-size metallic detergent during EHL tests		P-319	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90493	Masahiro Kawaguchi	Structural transformation of diamond-like carbon films under various sliding conditions		P-228	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90494	Mayuko Masuda	Improvement of water lubrication by using nanodiamond as an additive		P-308	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90495	Michihiko Fukunaga	A 2D Model Analysis of Artificial Knee Joint during Squatting		P-383	Poster	Tribosystems	Biotribology	Thursday 10th	14:00 - 15:00	Event Hall	1F
90496	Sergio E. Diaz	Design of a test rig to study the Squeeze Film Damper		F-143	Oral	Manufacturing and Mechanical Components	Bearings - Bush and Others	Tuesday 8th	17:10 - 18:50	F	1F

Abstract Receipt No. 90497 - 90521

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90497	Yasuhiro Hikita	Friction analysis of coatings by particle method		G-125	Oral	Micro-, Nano- and Molecular Tribology	Microtribology II	Tuesday 8th	10:50 - 12:30	G	1F
90498	Michimasa Uchidate	Direct simulation of corrosive wear		P-138	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90499	Ya-Pu Zhao	Large-scale Molecular Dynamics Study on the Shear Response of the Confined Liquid Lubricant		G-321	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations II	Thursday 10th	10:50 - 12:30	G	1F
90500	Masao Oka	Sliding characteristics of silicon carbide under water-lubricated conditions		F-331	Oral	Manufacturing and Mechanical Components	Seals II	Thursday 10th	15:00 - 16:40	F	1F
90501	Katsuhiko Ashihara	Examination of Design Factor by using Theoretical Model for Microgrooved Bearings under Mixed Lubrication		C1-235	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication II	Wednesday 9th	15:00 - 16:40	C-1	1F
90502	Shigeru Iijima	Lubrication Performance of a Small Quantity of Ionic Liquids Evaluated with a Reciprocating Tribometer under High Vacuum		P-365	Poster	Tribosystems	Aerospace	Thursday 10th	14:00 - 15:00	Event Hall	1F
90503	Hiroataka Mizuta	Investigation of frictional behavior of radial shaft seals for pressurized applications		F-343	Oral	Manufacturing and Mechanical Components	Seals III	Thursday 10th	17:10 - 18:50	F	1F
90504	Yoshihide Himeno	Friction properties of resin filled with oil-impregnated porous silica		J-143	Oral	Surface Engineering	Tribomaterials IV	Tuesday 8th	17:10 - 18:50	J	2F
90505	Yoshinori Takeichi	Effect of Copper-Molybdenum Oxide on the Tribological Properties of Aluminum Bronze Alloy at High Temperature		J-112	Oral	Surface Engineering	Tribomaterials I	Tuesday 8th	08:40 - 10:20	J	2F
90506	Xue Fan	Tribological Behavior of MCECR Carbon-Based Nano Films		P-229	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90507	Takeshi Nakatsuji	Development of New Type Linear Drive Unit -Linear Drive Unit Having Two Step Operation Systems-		P-375	Poster	Tribosystems	Manufacturing Equipment	Thursday 10th	14:00 - 15:00	Event Hall	1F
90511	Takashi Honda	Investigation of the wear resistance of resin bearings II: underwater condition		P-273	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90512	Jianbin Luo	The film forming characteristics of a new kind super-lubricative lubricant		I-132	Oral	Tribology Fundamentals	Contact Mechanics III	Tuesday 8th	15:00 - 16:40	I	2F
90513	Kenichi Shibasaki	Development of Numerical Method for Coupled Simulation of Starved EHL and Macro Flow		F-312	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing II	Thursday 10th	08:40 - 10:20	F	1F
90514	Han Ge	Effect of surface topography on cavitation noise: experimental study		P-139	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90515	Hiroshi Kinoshita	Microtribological properties of carbon nanotube films fluorinated by the high anisotropy and low energy fluorine atoms beam		G-224	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology II	Wednesday 9th	10:50 - 12:30	G	1F
90516	Takumi Kataoka	Measurement of Oil Film Behavior in the Main Bearings of an Operating Engine Using Thin-Films		F-134	Oral	Manufacturing and Mechanical Components	Bearings - Journal Bearing	Tuesday 8th	15:00 - 16:40	F	1F
90517	Yuji Onuki	A Fundamental Study on Degradation Process of Urea Greases Based on Synthetic Fluids		B2-144	Oral	Minisymposium	Energy savings by use of synthetic lubricants (Additives and Applications)	Tuesday 8th	17:08 - 18:20	B-2	2F
90518	C. F. Hong	Tribological properties of Ti doped a-C films lubricated by Hank's solution		P-230	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90520	Keisuke Mamada	Friction properties of PVA-H / steel ball contact		P-384	Poster	Tribosystems	Biotribology	Thursday 10th	14:00 - 15:00	Event Hall	1F
90521	Koki Kono	Synchrotron X-Ray Diffraction Analysis of Lubricants under High Pressure		P-330	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90522 - 90547

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90522	Hiroki Danjo	Ultraprecise Positioning X-Y Stage Composed of Pneumatic Servo Bearing Actuators		F-144	Oral	Manufacturing and Mechanical Components	Bearings - Bush and Others	Tuesday 8th	17:10 - 18:50	F	1F
90524	Michio Otsuki	Theory of scaling laws for the jamming transition of granular particles		G-423	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VI	Friday 11th	10:50 - 12:30	G	1F
90525	Manshu Kameike	Theoretical Study on Mechanics of Paper Feeding with Rubber-Covered Roller Drive		B1-314	Oral	Tribology Fundamentals	Friction I	Thursday 10th	08:40 - 10:20	B-1	2F
90526	Igor Elmanov	The universal dependences for a data determination of a hydrodynamic lubrication of unstrained rolling friction pairs		C1-213	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication V	Wednesday 9th	08:40 - 10:20	C-1	1F
90530	Hirofumi Michioka	Tribological aspect to improve transmission efficiency of a steel-belt CVT		B1-325	Oral	Tribology Fundamentals	Friction II	Thursday 10th	10:50 - 12:30	B-1	2F
90531	Takuya Saka	An Appearance of Rust-Preventive Properties by Optimum Interface Tension in Oil on Water for Cutting Process		D-231	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) III	Wednesday 9th	15:00 - 16:40	D	1F
90532	Takayuki Kawamura	Influence of Grease Additive on Bearing Brittle Flaking under Passing Electric Current		B2-427	Oral	Minisymposium	Innovative study of lubricating grease II	Friday 11th	10:50 - 13:20	B-2	2F
90533	Takashi Tokumasu	Simulation of nanoscale liquid bridges of lubricants by Molecular Dynamics method		G-323	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations II	Thursday 10th	10:50 - 12:30	G	1F
90534	Hiroaki Shimizu	Preparation and Tribological Properties of Nanoparticles Containing Diamond-like Carbon Films		P-231	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90535	Eita Kureha	Parameters Affecting Oil Film Formation between Top of Vane and Cylinder of Multiple Vane Type Compressors		H-224	Oral	Tribosystems	Manufacturing Equipment	Wednesday 9th	10:50 - 12:30	H	1F
90536	Hironobu Tokunaga	Viscosity Index Improvers for Low Viscosity Lubricants		C2-232	Oral	Lubrication, Lubricants and Additives	Additives V	Wednesday 9th	15:00 - 16:40	C-2	1F
90537	Shin-Ichiro Mori	Mechanical Interaction between Vitamin E-containing Ultrahigh Molecular Weight Polyethylene and Co-28Cr-6Mo Alloy in Water		H-341	Oral	Tribosystems	Biotribology III	Thursday 10th	17:10 - 18:50	H	1F
90538	Yamaguchi Hiroki	Gear Rattle Modelling and Meshing Gear Teeth Behaviour Estimation Considering Lubrication Influence		P-281	Poster	Manufacturing and Mechanical Components	Gears	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90539	Takamasa Ito	Influence of sand and slurry erosion on surface damage of supercritical nano-plating		P-232	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90540	Takeshi Yamazaki	Effect of Sliding Surface Oil Pocket on Oil Film Pressure in Model Test Piece of Wet Facing		P-287	Poster	Manufacturing and Mechanical Components	Other Components	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90541	Yukitoshi Fujinami	Influence of Base Oil and Antioxidants on the Residual Oil Performance of High-Temperature Chain Lubricating Oil		B2-223	Oral	Lubrication, Lubricants and Additives	Lubricating Oil II	Wednesday 9th	10:50 - 12:30	B-2	2F
90542	Lars-Erik Stacke	Dynamic Modeling of Roller Screws		F-424	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element II	Friday 11th	10:50 - 12:30	F	1F
90543	Shintaro Kawasaki	Tribological nanoprocessing of nanoperiod multilayer films by force modulation of atomic force microscopy.		P-177	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90544	Michita Hokao	Lubricating Properties of Silica Nanoparticles as a Fluorinated Grease Additive		B2-413	Oral	Minisymposium	Innovative study of lubricating grease I	Friday 11th	08:40 - 10:40	B-2	2F
90545	Hua Chen	REVERSAL RELATIONSHIP OF WHEEL/RAIL ADHESION COEFFICIENT TO CONTACT PRESSURE FOR SURFACE ROUGHNESS		I-232	Oral	Tribology Fundamentals	Contact Mechanics VII	Wednesday 9th	15:00 - 16:40	I	2F
90547	Leming Tang	Tribology of gold and fluorinate carbon nanometer period multilayer films		P-348	Poster	Lubrication, Lubricants and Additives	Solid Lubricants	Thursday 10th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90548 - 90572

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90548	Davide Bianchi	Multiresolution analysis of rough engineering / tribological surfaces		P-214	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90549	Toshiro Kanazawa	Nanoscratch properties of extremely thin diamond-like carbon films by atomic force microscopy.		P-178	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90550	Toshikazu Asakura	Production of high adhesive Ti-doped amorphous carbon films for artificial hip joint by heat treatment in vacuum		P-233	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90551	Takashi Torii	Density of Lubricants near DLC Film Surface Having Different Wettability Measured by Neutron Reflectometry		P-179	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90552	Masaya Msuda	Theoretical Analysis of Aerostatic Porous Bearing Guide for Large Glass Sheets in Liquid Crystal Display Manufacturing Equipment		P-274	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90554	Yuichiro Tokunaga	Effects of Cavitation Ring Formed on Laser-Textured Surface of Mechanical Seal		K-112	Oral	Surface Engineering	Texturing I	Tuesday 8th	08:40 - 10:20	K	2F
90556	Yuta Saito	Boundary Lubrication properties of Cobalt-containing hydrogen-free diamond-like carbon (DLC) films with poly alpha olefin (PAO) lubricant		P-320	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90557	Akihiro Hirao	Evaluation of Ceramics Bearings Used in Electric Water Pumps		F-414	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element I	Friday 11th	08:40 - 10:20	F	1F
90558	Hiroki Matsuyama	Development of Super-low Friction Torque Tapered Roller Bearing for High Efficiency Axle Differential		D-342	Oral	Minisymposium	Tribology for automotive fuel economy II	Thursday 10th	17:10 - 19:10	D	1F
90560	Hideki Tabata	Drag Torque Researches in Wet Clutches		F-422	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element II	Friday 11th	10:50 - 12:30	F	1F
90561	Tomoya Hattori	Microstructure, strength, hardness and tribological properties of electrodeposited Ni/Cu nano-multilayers		J-341	Oral	Surface Engineering	Coatings VI	Thursday 10th	17:10 - 19:10	J	2F
90562	Mitsuo Matsuda	Friction and Wear properties of SiC in Water from City, River and Sea		K-434	Oral	Tribology Fundamentals	Friction VII	Friday 11th	14:00 - 15:40	K	2F
90563	Naoya Hasegawa	Evaluation of Wear Resistance Properties of Hardfacing Weld Overlays Containing Metal Carbides		P-373	Poster	Tribosystems	Heavy Machinery	Thursday 10th	14:00 - 15:00	Event Hall	1F
90565	Inaba Shouichi	Development of high adhesive and lubricious Ti-B-C thin films for cutting of Ti alloys		P-234	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90566	Li-Yu Lin	Micro-tribological Characteristics of Silica/polymer Nanocomposite Coatings		G-142	Oral	Micro-, Nano- and Molecular Tribology	Microtribology IV	Tuesday 8th	17:10 - 18:50	G	1F
90567	Takayuki Suzuki	Production of titanium nitride - molybdenum disulfide composite thin films with high lubricious properties		P-235	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90568	Yasushi Kojima	A new approach to evaluate friction characteristics of reciprocating seal		P-282	Poster	Manufacturing and Mechanical Components	Seals	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90569	Kenneth G Holmberg	The origin of wear in a hard coated surface		I-332	Oral	Tribology Fundamentals	Wear II	Thursday 10th	15:00 - 16:40	I	2F
90570	Ray W Snidle	EHL of rough surfaces, mixed lubrication and surface fatigue		C1-224	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication I	Wednesday 9th	10:50 - 12:30	C-1	1F
90571	Andreas Goedecke	Influence of normal force dynamics on transient friction in a fractal asperity-creep friction model		K-411	Oral	Tribology Fundamentals	Friction V	Friday 11th	08:40 - 10:20	K	2F
90572	Junbiao Lai	Lubricant Hydraulic Effect on Surface-Breaking Cracks in Rolling-Sliding Contact		I-225	Oral	Tribology Fundamentals	Contact Mechanics VI	Wednesday 9th	10:50 - 12:30	I	2F

Abstract Receipt No. 90574 - 90602

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90574	Iakov Nakhimovski	Simulation Support for Rolling Bearings Cage Design		F-315	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing II	Thursday 10th	08:40 - 10:20	F	1F
90575	Michael Mueller	The dynamic interaction of topography, friction and wear in brake systems		H-121	Oral	Tribosystems	Automobiles II	Tuesday 8th	10:50 - 12:30	H	1F
90576	Tomasz W Liskiewicz	Co-Cr-Mo alloy passive film behaviour under fretting conditions		H-335	Oral	Tribosystems	Biotribology II	Thursday 10th	15:00 - 16:40	H	1F
90577	Laura McCann	Investigation of articular cartilage substitution therapies in the bovine knee joint: A tribological simulation	Invited	D-123	Oral	Symposium	Human-related tribology (New Trends in Human-related Tribology)	Tuesday 8th	10:50 - 12:30	D	1F
90578	Jannica Heinrichs	Influence of work material treatment on cold forming		P-118	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90580	Kenichi Ideura	Competition between the slippage and the superfluidity of ⁴ He films		P-180	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90581	Izhak Etsion	A Review of Laser Surface Texturing and Applications	Keynote	K-111	Oral	Surface Engineering	Texturing I	Tuesday 8th	08:40 - 10:20	K	2F
90582	Mohd Fauzi Ismail	Geometrical properties characterization and grinding performance estimation of electroplated diamond tools		K-141	Oral	Surface Engineering	Texturing IV	Tuesday 8th	17:10 - 18:50	K	2F
90583	Akitoshi Takeuchi	Investigation of Water Repellent Thrust Bearing		P-275	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90584	Hirofumi Takikawa	Super Hard DLC Coating Technology	Invited	B1-132	Oral	Minisymposium	Diamond-Like Carbon for tribology I	Tuesday 8th	15:00 - 16:40	B-1	2F
90585	Timo Kümerle	The Influence of Substrate Hardness on the Lifetime of Solid Lubricated Rolling Contacts		C2-122	Oral	Lubrication, Lubricants and Additives	Solid Lubricants	Tuesday 8th	10:50 - 12:30	C-2	1F
90586	Selim A Oleksowicz	Modelling of the Friction Process in a Frictional Pair Using Chaos Theory Tools		H-143	Oral	Tribosystems	Automobiles IV	Tuesday 8th	17:10 - 18:50	H	1F
90587	Kenji Matsuda	Friction and Wear Characteristics in Air of Molybdenum Disulfide Sputtered Films Introduced Dry Air to Vacuum Chamber after Sputtering	Keynote	C2-121	Oral	Lubrication, Lubricants and Additives	Solid Lubricants	Tuesday 8th	10:50 - 12:30	C-2	1F
90588	Yu Yan	In-situ electrochemical assessment of biotribocorrosion behaviour for artificial hip prostheses		H-331	Oral	Tribosystems	Biotribology II	Thursday 10th	15:00 - 16:40	H	1F
90589	Ian Sherrington	SLIDING FRICTION BEHAVIOUR OF BONDED SOLID LUBRICANT COATINGS - EFFECT OF CONTACT PRESSURE, COUNTERFACE ROUGHNESS AND SLIDING SPEED		J-426	Oral	Surface Engineering	Coatings VIII	Friday 11th	10:50 - 12:50	J	2F
90590	Tomas Beno	Sub-cooled MQL in near dry machining of aerospace alloys		F-112	Oral	Manufacturing and Mechanical Components	Manufacturing -Material Removal Process	Tuesday 8th	08:40 - 10:20	F	1F
90591	Young-Jun Jang	Effect of surface wettability on friction behaviors of nanopatterned surface of Diamond-Like Carbon films		J-233	Oral	Surface Engineering	Coatings II	Wednesday 9th	15:00 - 16:40	J	2F
90593	Masahiro Tosa	Exposure Test in ISS's Orbit on Lubricative Coatings		J-414	Oral	Surface Engineering	Coatings VII	Friday 11th	08:40 - 10:20	J	2F
90596	Robin A Pourzal	INVESTIGATION OF MICRO-STRUCTURAL CHANGES AND WEAR PARTICLE FORMATION IN DIFFERENT TYPES OF METAL-ON-METAL HIP JOINTS		P-207	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90598	Rikard Maeki	Determining power and energy limits of friction systems for automatic transmissions; test equipment and methods		F-421	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element II	Friday 11th	10:50 - 12:30	F	1F
90602	Douglas T Jayne	Boundary Film Composition and Formation from Synergistic Combinations of Surface Active Compounds		C2-221	Oral	Lubrication, Lubricants and Additives	Additives IV	Wednesday 9th	10:50 - 12:30	C-2	1F

Abstract Receipt No. 90604 - 90629

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90604	Marc Christopher Wurz	Investigation of Fluidic Additives on the Nano-hardness During Polishing		K-331	Oral	Surface Engineering	Surface Modifications V	Thursday 10th	15:00 - 16:40	K	2F
90605	Rolf Waesche	Extended tribological study on carbon nitride coatings under oscillating sliding conditions		J-223	Oral	Surface Engineering	Coatings I	Wednesday 9th	10:50 - 12:30	J	2F
90606	Prathima C Nalam	Study of the effect of hydration of polyelectrolyte brushes on frictional properties in aqueous tribology		G-215	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology I	Wednesday 9th	08:40 - 10:20	G	1F
90607	Florian Pape	Resistance of Multilayer Diamond-like Carbon (DLC) Coatings for MEMS Applications against Oscillating Wear		G-114	Oral	Micro-, Nano- and Molecular Tribology	Microtribology I	Tuesday 8th	08:40 - 10:20	G	1F
90609	Hong Liang	Effects of Nanoparticles on the Properties of Gold-Carbohydrate Nanocomposites		P-252	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90610	Thomas G. Mathia	Overview of 3D multi scale surface's morphologies analysis and perspectives for tribology		K-343	Oral	Surface Engineering	Surface Modifications VI	Thursday 10th	17:10 - 18:50	K	2F
90611	Yuriy Luzhnov	Nanotribology bases of frictional interaction of wheels of locomotives with rails		P-364	Poster	Tribosystems	Railways	Thursday 10th	14:00 - 15:00	Event Hall	1F
90613	Moonchul Yoon	CRATER WEAR VOLUME ANALYSIS BY WAVELET FILTERING		K-332	Oral	Surface Engineering	Surface Modifications V	Thursday 10th	15:00 - 16:40	K	2F
90615	Akiyoshi Kobayashi	Surface Generation Mechanism by Burnishing Action of Cutting Edge in Precision or Ultra Precision Machining		F-114	Oral	Manufacturing and Mechanical Components	Manufacturing -Material Removal Process	Tuesday 8th	08:40 - 10:20	F	1F
90616	Kyosuke Ono	Numerical Analysis of Contact Mechanics Between Spherical Slider and Disk Considering Roughness and Intermolecular Forces.		G-433	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VII	Friday 11th	14:00 - 15:40	G	1F
90617	Ming-Tang Ma	Simulation of Tribo-Dynamics of Piston Assembly to Cylinder Bore Interface, Blowby and LOC		H-132	Oral	Tribosystems	Automobiles III	Tuesday 8th	15:00 - 16:40	H	1F
90618	Jianliang Li	Friction Properties of Molybdenizing and Nitriding duplex-treated layer on laser surface textured Ni-base alloy		P-253	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90620	Michael Nosonovsky	Multi-scale structure of entropy during surface wear and self-healing		G-411	Oral	Micro-, Nano- and Molecular Tribology	Microtribology V	Friday 11th	08:40 - 10:20	G	1F
90621	Withdrawn	Withdrawn		I-143	Oral	Tribology Fundamentals	Contact Mechanics IV	Tuesday 8th	17:10 - 18:50	I	2F
90622	Teruo Murakami	Importance of Materials and Lubricants on Tribological Properties in Joint Prostheses in Comparison with Natural Synovial Joints	Keynote speech	D-111	Oral	Symposium	Human-related tribology (Cutting Edges of Tribology on Joint Prostheses)	Tuesday 8th	08:40 - 10:20	D	1F
90623	Sergey Vladimirovich Tsvetkov	WEARPROOF STRUCTURAL and PHASE STATUS of the SURFACE of PREPARATION of STEEL 45 AFTER PLASMA SPRAYING		P-236	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90624	M Ananth Kumar	Influence of thickness of DLC coating on tribological characteristics under sliding-rolling contact condition		J-335	Oral	Surface Engineering	Coatings V	Thursday 10th	15:00 - 16:40	J	2F
90625	Robert I. Taylor	Tribology and Energy Efficiency	Keynote	B2-231	Oral	Lubrication, Lubricants and Additives	Lubricating Oil III	Wednesday 9th	15:00 - 16:40	B-2	2F
90626	Yoshitaka Uchiyama	RELATION BETWEEN THE PATTERN ABRASION AND CRACK GROWTH RATE OF ISOPRENE RUBBER IN VACUUM		I-424	Oral	Tribology Fundamentals	Wear V	Friday 11th	10:50 - 12:30	I	2F
90628	Min Yu	Experimental Researches on Mechanical and Tribological Properties of Elytra of Beetles		P-385	Poster	Tribosystems	Biotribology	Thursday 10th	14:00 - 15:00	Event Hall	1F
90629	Tadashi Komoto	Tribology of Polymer Injection-molded Stainless Steel Hybrid Gear		J-125	Oral	Surface Engineering	Tribomaterials II	Tuesday 8th	10:50 - 12:30	J	2F

Abstract Receipt No. 90630 - 90662

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90630	Romain Charpenay	Wear of carbonaceous brushes and commutators immersed in diesel oil for automotive fuel pump DC motor		P-140	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90632	Michael A Mueller	Specifically designed Polyalkylmethacrylate additives for fuel efficient driveline lubricants with improved fatigue life		C2-222	Oral	Lubrication, Lubricants and Additives	Additives IV	Wednesday 9th	10:50 - 12:30	C-2	1F
90633	Aydemir G. Ural	EFFECT OF CUMULATIVE DAMAGE ON ALUMINA NANOCOMPOSITES BY FRETTING		P-119	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90634	Francois Robbe-Valloire	Prediction of the microgeometry evolution during mixed lubrication between parallel surfaces		I-113	Oral	Tribology Fundamentals	Contact Mechanics I	Tuesday 8th	08:40 - 10:20	I	2F
90635	Hedong Zhang	Shape Memory Effect of UV-patterned Nanometer-Thick Liquid Lubricant Films against Contact Sliding		G-412	Oral	Micro-, Nano- and Molecular Tribology	Microtribology V	Friday 11th	08:40 - 10:20	G	1F
90637	Xiaoling Liu	Numerical Analysis of the Oil-supply Condition in Isothermal Elastohydrodynamic Lubrication of Finite Line Contacts		C1-231	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication II	Wednesday 9th	15:00 - 16:40	C-1	1F
90639	Prashant K Sharma	Tribology of hetero-polymeric conditioning films: the role of Vroman effect		H-334	Oral	Tribosystems	Biotribology II	Thursday 10th	15:00 - 16:40	H	1F
90640	Yuki Oda	Design and trial of micro wedge ring type roller speed reducer		P-288	Poster	Manufacturing and Mechanical Components	Other Components	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90642	Marc Ingram	The Mechanisms of Wet Clutch Friction		P-321	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90644	Nobuyuki Mouri	Improvement of Wear Resistance of Carburizing Steels by Heat treatment		I-333	Oral	Tribology Fundamentals	Wear II	Thursday 10th	15:00 - 16:40	I	2F
90645	Kentaro Yoshida	Friction and wear properties of DLC coatings under boundary lubrication		J-323	Oral	Surface Engineering	Coatings IV	Thursday 10th	10:50 - 12:30	J	2F
90647	Miki Nakano	Tribological properties of alkyl self-assembled monolayers covalently bonded to silicon		G-213	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology I	Wednesday 9th	08:40 - 10:20	G	1F
90648	Atsushi Korenaga	Fluid and mixed lubrication characteristics of textured surface on slideway		K-212	Oral	Surface Engineering	Texturing V	Wednesday 9th	08:40 - 10:20	K	2F
90649	Teruo Murakami	Influence of operating conditions on lubricating properties of vegetable oils with different fatty acid types in four-ball tests		C2-431	Oral	Lubrication, Lubricants and Additives	Additives III	Wednesday 9th	08:40 - 10:20	C-2	1F
90650	Hiroyuki Osaki	Improvements of Volumetric Recording Density of Tape Storage Systems from Tribology Point of View	Invited	B1-423	Oral	Minisymposium	Tribology in information storage systems II	Friday 11th	10:50 - 12:30	B-1	2F
90654	Takashi Nogi	Numerical Analysis of Cage Instability in Minimally Lubricated Ball Bearings		F-311	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing II	Thursday 10th	08:40 - 10:20	F	1F
90655	Wolfgang P. Weinhold	In-situ microtribology with high local resolution on silicon rubbers		G-121	Oral	Micro-, Nano- and Molecular Tribology	Microtribology II	Tuesday 8th	10:50 - 12:30	G	1F
90659	Jen Lung Wang	Defined Comb-Shaped Viscosity Modifiers and their Impact on Fuel Economy in Modern Driveline Lubricants and Engine Oils		C2-142	Oral	Lubrication, Lubricants and Additives	Additives II	Tuesday 8th	17:10 - 18:50	C-2	1F
90660	Sun Dan	Micro- and nano-scale tribology of cast CoCrMo		G-144	Oral	Micro-, Nano- and Molecular Tribology	Microtribology IV	Tuesday 8th	17:10 - 18:50	G	1F
90661	Jun Tan	Laser Effect on the Residual Stresses of Electro Brush Plated n-Al ₂ O ₃ /Ni Coating		P-237	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90662	Valentin L Popov	Influence of ultrasonic oscillations on friction	Invited	D-414	Oral	Minisymposium	Science of friction I	Friday 11th	08:40 - 10:20	D	1F

Abstract Receipt No. 90663 - 90686

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90663	Min-Soo Suh	Erosion Wear Mechanism of SiCf/SiC Composites by Solid Particles		I-431	Oral	Tribology Fundamentals	Wear VI	Friday 11th	14:00 - 15:40	I	2F
90664	Marian M. Szczerek	THE CORRELATED SELECTION OF PVD/CVD COATINGS AND ECO-LUBRICANTS FOR HEAVY-LOADED MACHINE COMPONENTS - A NEW APPROACH		D-232	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) III	Wednesday 9th	15:00 - 16:40	D	1F
90665	Remigiusz Michalczewski	The Effect of the Concentration of AW/EP Additives on Scuffing Resistance of the a-C:H:W/steel Tribosystem		I-435	Oral	Tribology Fundamentals	Wear VI	Friday 11th	14:00 - 15:40	I	2F
90666	Akira Miyamoto	New Horizons in Tribology: The Computational Chemistry Paradigm	Invited	B1-213	Oral	Minisymposium	Ultra-mild wear and tribo-chemical interactions	Wednesday 9th	08:40 - 10:40	B-1	2F
90667	Jack Zakarian	Studies of Extreme Pressure Boundary Tribofilms Formed by Alkali Metal Borate Additives in Gear Lubricants		C2-224	Oral	Lubrication, Lubricants and Additives	Additives IV	Wednesday 9th	10:50 - 12:30	C-2	1F
90668	Thomas Prevenslik	Triboluminescence and X-Rays		G-431	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VII	Friday 11th	14:00 - 15:40	G	1F
90669	Hiroataka Ito	Effect of nitrogen flow during sliding test on friction property of a-C:H:N films with various nitrogen and hydrogen contents		P-238	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90670	Seido Yarimitsu	Formation of boundary film for friction reduction of artificial articular cartilage material under coexistence of proteins and phospholipid		H-421	Oral	Tribosystems	Biotribology V	Friday 11th	10:50 - 12:30	H	1F
90671	Youichi Kawakubo	Lubricant treatments for head wear reduction on thin-film disks	Invited	B1-411	Oral	Minisymposium	Tribology in information storage systems I	Friday 11th	08:40 - 10:40	B-1	2F
90672	Kouji Miura	World of Ultralow Friction Created by Carbon Family	Invited	D-425	Oral	Minisymposium	Science of friction II	Friday 11th	10:50 - 12:55	D	1F
90673	Withdrawn	Withdrawn		H-123	Oral	Tribosystems	Automobiles II	Tuesday 8th	10:50 - 12:30	H	1F
90674	Roel Tietema	Diamond-like Carbon Coatings for tribological applications on Automotive Components	Invited	B1-144	Oral	Minisymposium	Diamond-Like Carbon for tribology II	Tuesday 8th	17:10 - 18:50	B-1	2F
90676	Jeffrey L Streater	Electrical Contact Resistance of Metallic Rough Surfaces: Modeling and Experiment		G-434	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VII	Friday 11th	14:00 - 15:40	G	1F
90677	Emmanuel Rigaud	A novel experimental setup for measuring velocity-dependent friction from free damped oscillations		B1-333	Oral	Tribology Fundamentals	Friction III	Thursday 10th	15:00 - 16:40	B-1	2F
90679	Viacheslav N. Khovanskiy	TRIBONANODESIGN AS A METHOD OF OBTAINING NANOMATERIALS WITH SET PROPERTIES		G-132	Oral	Micro-, Nano- and Molecular Tribology	Microtribology III	Tuesday 8th	15:00 - 16:40	G	1F
90680	Enrico Corniani	Experimental wear volume analysis on Al-Si-Cu laser textured cylinder liners using thin layer activation technique		H-131	Oral	Tribosystems	Automobiles III	Tuesday 8th	15:00 - 16:40	H	1F
90681	Dag Fritzson	Simulation of fretting fatigue in conformal and concentrated contacts		F-313	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing II	Thursday 10th	08:40 - 10:20	F	1F
90682	Graciliano P Fernandes	Correlation between laboratory small scale pin on disc and full scale bench tests of dry automotive clutches		P-360	Poster	Tribosystems	Automobiles	Thursday 10th	14:00 - 15:00	Event Hall	1F
90683	Thibaut Chaise	Impact modelling of a sphere on a half-space by a semi-analytical method		I-311	Oral	Tribology Fundamentals	Contact Mechanics VIII	Thursday 10th	08:40 - 10:20	I	2F
90684	M. H. Zhu	Experimental investigation and simulation on torsional fretting corrosion of titanium alloys in saline solution		G-425	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VI	Friday 11th	10:50 - 12:30	G	1F
90686	Peng Zhu	Effects of filler morphology on the tribological performances of polyimide composites		P-141	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90687 - 90720

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90687	Raj Kumar Pandey	Lubrication studies with some new piston ring profiles		C1-131	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication III	Tuesday 8th	15:00 - 16:40	C-1	1F
90688	Minhao Zhu	Experimental study on torsional wear of articular cartilage in vitro		J-211	Oral	Surface Engineering	Tribomaterials V	Wednesday 9th	08:40 - 10:20	J	2F
90689	Hikomichi Fujie	Frictional property of cartilage-like tissues repaired using stem cell-based self-assembled tissues	Invited	D-122	Oral	Symposium	Human-related tribology (New Trends in Human-related Tribology)	Tuesday 8th	10:50 - 12:30	D	1F
90690	Kiyoshi Hanyuda	Development of the ultra low SAPS heavy duty engine oil		C2-414	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VI	Friday 11th	08:40 - 10:20	C-2	1F
90692	Eiji Nagatomi	The durability of traction fluid in full-toroidal traction drives under extreme high-temperature conditions		C2-415	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VI	Friday 11th	08:40 - 10:20	C-2	1F
90693	Claudiu V. Suciu	Molecular Dynamics Simulation of Wetting on Wavelike Nanorough Surfaces		G-334	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations III	Thursday 10th	15:00 - 16:40	G	1F
90696	Ko Kurosawa	Nano and micro tribological characteristic of self-assembled monolayer having different morphology		P-181	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90697	Akihito Suzuki	Dielectric relaxation behavior of lithium 12-hydroxy stearate grease		C2-323	Oral	Lubrication, Lubricants and Additives	Grease II	Thursday 10th	10:50 - 12:30	C-2	1F
90699	Shouren Wang	Fabrication and Tribological Properties of HSS-based Self-lubrication Composites with an Interpenetrating Network		P-120	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90700	Jingping Wu	The size and shape of ultra-high molecular weight polyethylene wear debris obtained from samples retrieved in vivo		P-142	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90701	Roman V Riznychuk	Frictional sliding as complicated fractal movement		K-412	Oral	Tribology Fundamentals	Friction V	Friday 11th	08:40 - 10:20	K	2F
90708	Sang Myung Chun	Engine Oil Deterioration Sensor Integrated with an Oil Filter		H-113	Oral	Tribosystems	Automobiles I	Tuesday 8th	08:40 - 10:20	H	1F
90709	Weifeng Jiang	The Critical Conditions for Tribo-Demagnetization of Perpendicular Magnetic Recording Disk Under Sliding Contact		P-371	Poster	Tribosystems	Hard Disk Drives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90710	Wen Huei Lim	EFFECT OF POUR POINT DEPRESSANT ON VEGETABLE BASED LUBRICANT		P-331	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
90712	Norm Gitis	Efficient Tribology Testing of Lubricating Oils and Greases		C2-422	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VII	Friday 11th	10:50 - 12:30	C-2	1F
90714	Martin H Muser	Multiscale modeling in tribology and what we can learn from it: From electronic to mesoscopic density functional approaches	Invited	D-131	Oral	Symposium	Large-scale simulation in the field of tribology I	Tuesday 8th	15:00 - 16:40	D	1F
90716	Ali Erdemir	On the Intrinsic and Extrinsic Hydrogen Lubrication Mechanisms of Various Carbon Films: An Imaging TOF-SIMS Study	Keynote speech	B1-121	Oral	Minisymposium	Hydrogen tribology for future energy II	Tuesday 8th	10:50 - 12:30	B-1	2F
90717	M. Ananth Kumar	Elevated Temperature Erosion Response of Detonation Gun Sprayed coatings		P-239	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90718	Mari Nagata	Study of Gas Lubricated Spindle Motor Bearings in Application to Hard Disk Drives		P-372	Poster	Tribosystems	Hard Disk Drives	Thursday 10th	14:00 - 15:00	Event Hall	1F
90719	Edward H. Smith	FRICITION AND WEAR CHARACTERISTICS OF LOW SAPS OILS IN CONCENTRATED SLIDING CONTACTS		D-344	Oral	Minisymposium	Tribology for automotive fuel economy II	Thursday 10th	17:10 - 19:10	D	1F
90720	Sumiko Hibino	A Proposal of New Interim Grease Supply Method for Induction Traction Motors		B2-415	Oral	Minisymposium	Innovative study of lubricating grease I	Friday 11th	08:40 - 10:40	B-2	2F

Abstract Receipt No. 90722 - 90752

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90722	Toru Tanji	REDUCTION OF FRICTION BETWEEN CAM AND FOLLOWER BY SURFACE FINISHING AND COATING		D-333	Oral	Minisymposium	Tribology for automotive fuel economy I	Thursday 10th	15:00 - 17:00	D	1F
90723	Yutaka Mabuchi	Development of Hydrogen-free DLC coating and engine applications	Invited	D-332	Oral	Minisymposium	Tribology for automotive fuel economy I	Thursday 10th	15:00 - 17:00	D	1F
90725	Clotilde Minfray	What about effect of additives in rolling contact fatigue ?		C2-214	Oral	Lubrication, Lubricants and Additives	Additives III	Wednesday 9th	08:40 - 10:20	C-2	1F
90726	Clotilde Minfray	Study of synergy between ZP and Oleyl urea additives for engine lubricant		C2-144	Oral	Lubrication, Lubricants and Additives	Additives II	Tuesday 8th	17:10 - 18:50	C-2	1F
90727	Jianhua Zhang	Effect of deposition conditions on mechanical properties and wear behavior of R.F. reactive magnetron sputtered silicon nitride films		P-240	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90728	Ali Erdemir	Ultra-low Friction and Wear of Designer Nanocomposite Coatings Enabled by the Use of a Crystal-Chemical Model	Invited	B1-215	Oral	Minisymposium	Ultra-mild wear and tribo-chemical interactions	Wednesday 9th	08:40 - 10:40	B-1	2F
90729	Shuwen K Wang	A Novel Study on High-Frequency Dry Friction		B1-331	Oral	Tribology Fundamentals	Friction III	Thursday 10th	15:00 - 16:40	B-1	2F
90730	Nicholas Epiphaniou	Hybrid molecular-continuum simulation for multiscale simulations of dynamic friction		G-313	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations I	Thursday 10th	08:40 - 10:20	G	1F
90731	Jianhua Chen	Finite Element Analysis on Effect of Surface Texture on Precise Positioning		P-109	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90732	Shintaro Itoh	Shear-thinning behavior of confined lubricants measured by fiber wobbling method		G-413	Oral	Micro-, Nano- and Molecular Tribology	Microtribology V	Friday 11th	08:40 - 10:20	G	1F
90733	Toshiro Hamatake	An Analytical Study on the Mixed Lubrication of an Offset Barrel Faced Ring in an Internal Combustion Engine		D-336	Oral	Minisymposium	Tribology for automotive fuel economy I	Thursday 10th	15:00 - 17:00	D	1F
90734	Masanori Matsuo	Study of Sliding Thrust Bearings in Application to Screw Compressors		C1-134	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication III	Tuesday 8th	15:00 - 16:40	C-1	1F
90735	Judith A. Harrison	Unraveling the Mechanisms of Boundary Layer Lubrication using Large-Scale MD	Invited	D-141	Oral	Symposium	Large-scale simulation in the field of tribology II	Tuesday 8th	17:10 - 18:50	D	1F
90736	Takahiro Horiuchi	Evaluation of adhesion and wear resistance of DLC films		J-234	Oral	Surface Engineering	Coatings II	Wednesday 9th	15:00 - 16:40	J	2F
90740	Yoshinori I Oka	Surface characteristics of hard coated polycarbonate proved by micro-indentation		J-332	Oral	Surface Engineering	Coatings V	Thursday 10th	15:00 - 16:40	J	2F
90743	Aldara Naveira Suarez	Parameters affecting the functionality of additives in tribological contacts - An experimental and molecular dynamics simulation study	Keynote	C2-131	Oral	Lubrication, Lubricants and Additives	Additives I	Tuesday 8th	15:00 - 16:40	C-2	1F
90745	Tatsuya Yamasaki	Linear Motion Actuator for Electromechanical Brake		F-432	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element III	Friday 11th	14:00 - 15:40	F	1F
90746	Junichi Yoshihisa	The tribological characteristics of austenitic stainless steel at high temperature		P-208	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90747	Shigeki Matsui	Advanced Technologies for Eco-friendly Engine Oils		D-343	Oral	Minisymposium	Tribology for automotive fuel economy II	Thursday 10th	17:10 - 19:10	D	1F
90748	Katsuyuki Kida	Effects of Ball Diameters on Fatigue Strength of Silicon Nitride Balls Under Cyclic Pressure Loads		F-413	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element I	Friday 11th	08:40 - 10:20	F	1F
90752	Steven J Randles	The Use of Esters in GF-5 Formulations		P-332	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90753 - 90778

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90753	Ananda Gajanayake	Fundamental Study on the Use of the Unisteel Bearing Tester to Differentiate Driveline Lubricant Additive Performance	Invited	B2-122	Oral	Minisymposium	Additives technology of lubricants for the next generation II	Tuesday 8th	10:50 - 12:30	B-2	2F
90755	Jake W Pajak	Development of a Human-Friendly, Renewable Resource-Based Metalworking Fluid Technology, and its Impact on Sustainable Manufacturing.	Invited	D-235	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) III	Wednesday 9th	15:00 - 16:40	D	1F
90756	Kazuaki Maniwa	Lubrication Mechanism of Strain Wave Gearing in Thermal Vacuum Environment	Invited	B1-432	Oral	Minisymposium	Tribology issues in novel field	Friday 11th	14:00 - 15:40	B-1	2F
90757	Jean Michel Martin	Lubricating properties of carbon nano-onions		G-221	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology II	Wednesday 9th	10:50 - 12:30	G	1F
90758	Maiko Tokoro	Some surface aspects of DLC-coatings as tribomaterial durable for water lubrication		P-241	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90759	Shin-Ichi Shirahama	Additive Interactions in Engine Oils		C2-423	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VII	Friday 11th	10:50 - 12:30	C-2	1F
90761	Mihail G Ionescu	Analytical Model of Thermohydrodynamic Estimation of Finite Slider Bearing		C1-214	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication V	Wednesday 9th	08:40 - 10:20	C-1	1F
90763	Manfred Jungk	Strengths and weaknesses of silicones for use as synthetic lubricant		B2-133	Oral	Minisymposium	Energy savings by use of synthetic lubricants (New Generation of Synthetic Lubricants)	Tuesday 8th	15:00 - 17:00	B-2	2F
90764	Hiroshi Tani	Electric Field Assisted Dip Coating Process of Ultra-thin PFPE Lubricant Film for Magnetic Disks.		P-158	Poster	Micro-, Nano- and Molecular Tribology	Molecular Tribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90765	Akira Azushima	Evaluation of coefficients of friction by hot flat drawing test for hot stamping		F-123	Oral	Manufacturing and Mechanical Components	Manufacturing -Other Process	Tuesday 8th	10:50 - 12:30	F	1F
90767	Edward Ng	Phenothiazine Based Anti-oxidants	Invited	B2-124	Oral	Minisymposium	Additives technology of lubricants for the next generation II	Tuesday 8th	10:50 - 12:30	B-2	2F
90768	Kenji Yuki	A STUDY ON PROPERTIES OF PRE-MADE UREA GREASES AT HIGH TEMPERATURE		B2-422	Oral	Minisymposium	Innovative study of lubricating grease II	Friday 11th	10:50 - 13:20	B-2	2F
90769	Shinya Nakaoka	Gas transportation Mechanisms in Radial Lip Seals		F-332	Oral	Manufacturing and Mechanical Components	Seals II	Thursday 10th	15:00 - 16:40	F	1F
90770	Frank Bauer	Reducing CO2 emissions - Lubrication and friction of modern crankshaft seals		F-335	Oral	Manufacturing and Mechanical Components	Seals II	Thursday 10th	15:00 - 16:40	F	1F
90771	Irwin L. Singer	Role of the Transfer Film on the Friction and Wear of Metal-doped DLC Coatings during Run-in		J-313	Oral	Surface Engineering	Coatings III	Thursday 10th	08:40 - 10:20	J	2F
90772	Wang-Long Li	Linear Stability Analysis of the Herringbone Groove Journal Bearings in Microsystems		P-309	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90773	Takayuki Tokoroyama	The effect of unsaturated fatty acids on friction coefficient of Carbon Nitride coatings sliding against Si3N4 balls		J-346	Oral	Surface Engineering	Coatings VI	Thursday 10th	17:10 - 19:10	J	2F
90774	Kenji Fukuzawa	Real-time Imaging of a Nanometer-thick Liquid Lubricant Film with a 100-nm-Order Lateral Resolution by Ellipsometric Microscopy		G-122	Oral	Micro-, Nano- and Molecular Tribology	Microtribology II	Tuesday 8th	10:50 - 12:30	G	1F
90775	Qi Zhang	Bearing Life Calculation for Wind Turbine Gearbox		P-276	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90777	Zhendong Dai	Redundancy closed frictional force generated among toes of gecko		H-435	Oral	Tribosystems	Biotribology VI	Friday 11th	14:00 - 15:40	H	1F
90778	Juanqin Gong	A portable apparatus for friction measurement and the frictional characteristics of human skin		H-434	Oral	Tribosystems	Biotribology VI	Friday 11th	14:00 - 15:40	H	1F

Abstract Receipt No. 90779 - 90809

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90779	Gopalakrishna Keshavanarayana	Studies on wear behavior of particulate filled composites		I-324	Oral	Tribology Fundamentals	Wear I	Thursday 10th	10:50 - 12:30	I	2F
90781	Tsuyoshi Takayama	Research on the fuel seal of O-rings for low-temperature and high-pressure environment.		F-334	Oral	Manufacturing and Mechanical Components	Seals II	Thursday 10th	15:00 - 16:40	F	1F
90782	Pawel Podsiadlo	A unified computational approach to the optimization of surface textures: One dimensional bearings		K-122	Oral	Surface Engineering	Texturing II	Tuesday 8th	10:50 - 12:30	K	2F
90784	Marcin Wolski	Applications of the variance orientation transform method to the multiscale characterization of surface roughness and anisotropy		H-414	Oral	Tribosystems	Biotribology IV	Friday 11th	08:40 - 10:20	H	1F
90785	Young-Tae Kim	Investigation of Scratch Characteristics of Intestinal Tissue for Biomedical Applications		I-122	Oral	Tribology Fundamentals	Contact Mechanics II	Tuesday 8th	10:50 - 12:30	I	2F
90786	Joichi Sugimura	New Challenges to Tribology in Hydrogen	Keynote speech	B1-111	Oral	Minisymposium	Hydrogen tribology for future energy I	Tuesday 8th	08:40 - 10:20	B-1	2F
90788	Yong-Bok Lee	Design and Preliminary Test of the Oil-Free Turbocharger for SUV	Keynote	H-111	Oral	Tribosystems	Automobiles I	Tuesday 8th	08:40 - 10:20	H	1F
90789	Le Gu	Wetting and Tribological Properties of Ion Implanted Bearing Steels		P-254	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90791	Kai Feng	Stability analysis and unbalance response of Bump-type foil bearings		F-211	Oral	Manufacturing and Mechanical Components	Bearings - Foil Bearing I	Wednesday 9th	08:40 - 10:20	F	1F
90793	Sophie Williams	Effect of third body particles on the tribology and surface finish of Ceramic-on-metal, Metal-on-metal and Ceramic-on-ceramic hip replacement bearings		H-324	Oral	Tribosystems	Biotribology I	Thursday 10th	10:50 - 12:30	H	1F
90794	Shuzo Sanda	Reduction of Friction Loss in a Valve Train with Roller Rockers		D-334	Oral	Minisymposium	Tribology for automotive fuel economy I	Thursday 10th	15:00 - 17:00	D	1F
90796	Daniel Zweifel	New Oil Soluble Polyalkylene Glycols for Energy Saving Lubricant Applications		B2-134	Oral	Minisymposium	Energy savings by use of synthetic lubricants (New Generation of Synthetic Lubricants)	Tuesday 8th	15:00 - 17:00	B-2	2F
90799	Werner F. Stehr	The influence of adhesive friction under extreme low pressure and sliding speed conditions		G-421	Oral	Micro-, Nano- and Molecular Tribology	Microtribology VI	Friday 11th	10:50 - 12:30	G	1F
90800	Yuri Nikitin	Identification of physical and mechanical properties of super lightweight EG-based composite materials		P-255	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90801	Dariusz Ozimina	TRIBOCHEMICAL INTERACTIONS BETWEEN ANTIWEAR ADDITIVES AND CERAMICS OR COMPOSITE MATERIALS		P-242	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90802	Daniel Nelias	Elasto-plastic simulation of rolling contact vs. indentation for a circular or elliptical point contact		I-231	Oral	Tribology Fundamentals	Contact Mechanics VII	Wednesday 9th	15:00 - 16:40	I	2F
90803	Rafal Reizer	Simulation of surface topography during zero-wear" process"		P-143	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90804	Andrzej Dzierwa	Improving the anti-seizure ability of steel-cast iron assembly with surface texturing		K-123	Oral	Surface Engineering	Texturing II	Tuesday 8th	10:50 - 12:30	K	2F
90806	Dirk Bartel	Simulation of a thrust bearing in a diesel injection pump under mixed lubrication conditions		C1-111	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication I	Tuesday 8th	08:40 - 10:20	C-1	1F
90808	Thomas Gradt	Tribological behaviour of solid lubricants in hydrogen environment	Invited	B1-122	Oral	Minisymposium	Hydrogen tribology for future energy II	Tuesday 8th	10:50 - 12:30	B-1	2F
90809	Arthur Francisco	Rolling Contact Fatigue tests in an epoxy resin		I-233	Oral	Tribology Fundamentals	Contact Mechanics VII	Wednesday 9th	15:00 - 16:40	I	2F

Abstract Receipt No. 90810 - 90834

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90810	Heinrich F. Arlinghaus	ToF-SIMS Investigations of Tribological Layers		P-322	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90811	Aleksandar Vencel	Possibility of adhesion/cohesion bond strength evaluation of the thick plasma sprayed coatings with scratch tester		J-421	Oral	Surface Engineering	Coatings VIII	Friday 11th	10:50 - 12:50	J	2F
90814	Nir Kampf	The effect of salt on the normal and shear forces between polyelectrolyte brush surfaces		H-333	Oral	Tribosystems	Biotribology II	Thursday 10th	15:00 - 16:40	H	1F
90815	Jeroen Van Wittenberghe	Influence of surface finishing operations on the dry sliding friction and wear response of zirconia composites		P-256	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90816	Simon Chung	Lubricant viscometric profile for optimal fuel economy and wear performance		D-345	Oral	Minisymposium	Tribology for automotive fuel economy II	Thursday 10th	17:10 - 19:10	D	1F
90817	Young-Cheol Kim	Performance Test of Double-Bump Air Foil Bearings		F-221	Oral	Manufacturing and Mechanical Components	Bearings - Foil Bearing II	Wednesday 9th	10:50 - 12:30	F	1F
90818	Alexander V. Manzhurov	THE WEAR CONTACT PROBLEM FOR AN ELASTIC FOUNDATION WITH AN INHOMOGENEOUS COATING		I-145	Oral	Tribology Fundamentals	Contact Mechanics IV	Tuesday 8th	17:10 - 18:50	I	2F
90819	Sk. Faruque Ahmed	Tribology behavior on PC/ABS modified by Ar ion beam		K-342	Oral	Surface Engineering	Surface Modifications VI	Thursday 10th	17:10 - 18:50	K	2F
90820	Yuya Hamamoto	Dynamic rheological properties of molecularly thin lubricant film measured by fiber wobbling method		B1-421	Oral	Minisymposium	Tribology in information storage systems II	Friday 11th	10:50 - 12:30	B-1	2F
90821	Seiji Kajita	Origins of kinetic friction: Energy dissipation due to low frequency lattice vibration		G-333	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations III	Thursday 10th	15:00 - 16:40	G	1F
90822	Bo Zhang	Different Rheological Behaviors of PFPE Film on Hard Disk Surfaces in Spin-Off and Diffusion		B1-422	Oral	Minisymposium	Tribology in information storage systems II	Friday 11th	10:50 - 12:30	B-1	2F
90824	Hidetaka Nanao	Tribological Properties of Tribofilm Derived from Overbased Calcium-containing Detergents on DLC		C1-432	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication III	Friday 11th	14:00 - 15:40	C-1	1F
90825	Mitjan Kalin	Role of adsorption and tribophysical parameters in lubrication of DLC	Invited	B1-143	Oral	Minisymposium	Diamond-Like Carbon for tribology II	Tuesday 8th	17:10 - 18:50	B-1	2F
90826	Taro Tsujimura	Life Cycle Assessment Study on Tribological Technologies for Railway		B2-334	Oral	Tribosystems	Railways, Heavy Machinery and Maintenance	Thursday 10th	15:00 - 16:40	B-2	2F
90827	Yasutaka Ito	Mixed Lubrication Analysis of Vane Sliding Surface in Rotary Compressor Mechanisms	Invited	D-225	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) II	Wednesday 9th	10:50 - 12:30	D	1F
90828	Nanbu Hiroshi	The Effect of Fine Particle Peening (FPP) treatment on adhesion of DLC coatings on Aluminum alloy		P-257	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90829	Naofumi Hiraoka	A Study on the Sizes of Wear Track Grooves on Metallic Materials		P-144	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90831	Hailin Wang	Synergistic Effect of Benzotriazole with ZDDP and its application Research		P-333	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
90832	Stephen Hsu	Trends in Environmental Tribology	Keynote speech	D-221	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) II	Wednesday 9th	10:50 - 12:30	D	1F
90833	Ryo Numazaki	Contribution for energy savings by novel environmental lubricants containing derivatives from natural resources		B2-142	Oral	Minisymposium	Energy savings by use of synthetic lubricants (Additives and Applications)	Tuesday 8th	17:08 - 18:20	B-2	2F
90834	Koji Takiwatari	Molecular interaction between oleic acid and base oils at elastohydrodynamic lubrication contact		C2-334	Oral	Lubrication, Lubricants and Additives	Lubricating Oil IV	Thursday 10th	15:00 - 16:40	C-2	1F

Abstract Receipt No. 90835 - 90860

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90835	Minoru Goto	Critical thickness of polycrystalline Ag layers yielding friction reduction due to tribo-assisted reorientation		J-343	Oral	Surface Engineering	Coatings VI	Thursday 10th	17:10 - 19:10	J	2F
90836	Hitoshi Washizu	Boundary slip and dynamics of momentum transfer in submicron thick elasto-hydrodynamic lubricating oil film using molecular dynamics simulation	Invited	D-142	Oral	Symposium	Large-scale simulation in the field of tribology II	Tuesday 8th	17:10 - 18:50	D	1F
90837	Ai Nakamura	Improvement in the tribological properties of ionic liquids by using additive of phosphorus containing ionic liquid		P-323	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90838	Hitoshi Washizu	Dynamic structure of boundary lubricating water film on silanol covered surfaces using molecular dynamics simulation	Keynote	G-311	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations I	Thursday 10th	08:40 - 10:20	G	1F
90839	Naruo Sasaki	Nanomechanics of Superlubricity and Force Microscopy	Invited	D-132	Oral	Symposium	Large-scale simulation in the field of tribology I	Tuesday 8th	15:00 - 16:40	D	1F
90840	Yoshida Satoru	Fuel Efficiency of Super High Viscosity Index 0W-20 Engine Oil		C2-342	Oral	Lubrication, Lubricants and Additives	Lubricating Oil V	Thursday 10th	17:10 - 18:50	C-2	1F
90841	Mamoru Tohyama	Fundamental study on friction reducing effect of multiply adsorptive organic polymer		C1-433	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication III	Friday 11th	14:00 - 15:40	C-1	1F
90842	Aoi Kanno	Tribological behaviour of Thermo-Reversible Gel-Lubricant during reciprocating tests with Polyoxymethylene plate and bearing steel ball.		P-343	Poster	Lubrication, Lubricants and Additives	Grease	Thursday 10th	14:00 - 15:00	Event Hall	1F
90843	Martin N. Webster	Wear Performance Mapping of Lubricant Components on a Hydrogenated DLC Coating		C2-133	Oral	Lubrication, Lubricants and Additives	Additives I	Tuesday 8th	15:00 - 16:40	C-2	1F
90844	David A. Green	Modelling and Application of Industrial Energy Efficient Lubricants		B2-212	Oral	Lubrication, Lubricants and Additives	Lubricating Oil I	Wednesday 9th	08:40 - 10:20	B-2	2F
90845	Jin Woo Yi	Tribological performance of hydrophilic DLC surfaces in aqueous and biological environment		P-258	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90846	Daming Dong	Formation of thick EHL film with grease at low speeds		B2-425	Oral	Minisymposium	Innovative study of lubricating grease II	Friday 11th	10:50 - 13:20	B-2	2F
90847	Sung-Bo Sim	DROPLET VOLUME CALCULATION TECHNIQUE		P-259	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90849	Nalam Satyanarayana	Tribology of dendrimer-mediated perfluoropolyether films on Si surface for micro-electro mechanical systems applications		G-113	Oral	Micro-, Nano- and Molecular Tribology	Microtribology I	Tuesday 8th	08:40 - 10:20	G	1F
90852	S B Mishra, Ashutosh Dubey	FINITE ELEMENT MODELLING OF SURFACE STRESSES IN COATINGS UNDER SINGLE PARTICLE IMPACT		J-423	Oral	Surface Engineering	Coatings VIII	Friday 11th	10:50 - 12:50	J	2F
90853	Ilie Musca	Ball-ring friction study		P-121	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90856	Hiroshige Matsuoka	Experimental Study on Mechanical Characteristics of Liquid Meniscus Bridge (Characteristics in wide contact angle range)		H-214	Oral	Tribosystems	Hard Disk Drives	Wednesday 9th	08:40 - 10:20	H	1F
90857	Wataru Obayashi	Near-dry Machining of Aluminum Alloys with MQL System		B2-143	Oral	Minisymposium	Energy savings by use of synthetic lubricants (Additives and Applications)	Tuesday 8th	17:08 - 18:20	B-2	2F
90858	Fumihiko Saeki	Time evolution analyses of ultra-thin liquid film surface by the long wave equation (Transient and boundary value approach)		H-213	Oral	Tribosystems	Hard Disk Drives	Wednesday 9th	08:40 - 10:20	H	1F
90859	Yury Rozhdestvensky	Methodology of calculation of dynamics and hydromechanical characteristics complex-loaded tribounits, greased structurally-heterogeneous and non-Newtonian fluids		C1-141	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication IV	Tuesday 8th	17:10 - 18:50	C-1	1F
90860	Kenji Takahara	Environmentally Friendly Machining of Stainless Steel with Various Near-dry Methods		P-266	Poster	Manufacturing and Mechanical Components	Manufacturing Processes	Wednesday 9th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90861 - 90885

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90861	Chiharu Tadokoro	Friction and Wear Properties of PTFE Sliding Seals		F-325	Oral	Manufacturing and Mechanical Components	Seals I	Thursday 10th	10:50 - 12:30	F	1F
90863	Hassan Zahouani	Vibration of the Stratum Corneum During a Tribological Test of Human Skin In vivo		H-433	Oral	Tribosystems	Biotribology VI	Friday 11th	14:00 - 15:40	H	1F
90864	Hidekazu Uehara	The development of high performance shaft seal "Leaf Seal" in industrial turbines	Invited	D-224	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) II	Wednesday 9th	10:50 - 12:30	D	1F
90865	Aurelien Saulot	Analysis of the consequences of the wear flows on local contact dynamics.		I-142	Oral	Tribology Fundamentals	Contact Mechanics IV	Tuesday 8th	17:10 - 18:50	I	2F
90866	Frej Chaouachi	Study of spur gear cycle of contact stress applying the unilateral contact law and using asymptotic numerical method combined with finite element method		C1-345	Oral	Manufacturing and Mechanical Components	Gears	Thursday 10th	17:10 - 18:50	C-1	1F
90867	Hiroyuki Mori	Low friction property and its mechanism of DLC-Si Films under lubricated oil		J-312	Oral	Surface Engineering	Coatings III	Thursday 10th	08:40 - 10:20	J	2F
90869	Adrian Predescu	FRICION EVALUATION OF LUBRICATED LASER TEXTURED SURFACES		C1-211	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication V	Wednesday 9th	08:40 - 10:20	C-1	1F
90870	Artur Krol	The Research of PFPE and Mineral Oils Under Durability Test of The Porous Sliding Bearings		C2-433	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VIII	Friday 11th	14:00 - 15:40	C-2	1F
90871	Francis E Kennedy	Backside Wear of Modular Knee Bearings; Clinical Evidence and In-Vitro Simulation	Invited	D-113	Oral	Symposium	Human-related tribology (Cutting Edges of Tribology on Joint Prostheses)	Tuesday 8th	08:40 - 10:20	D	1F
90872	Dongfeng Diao	New Solutions to New Problems-Tribology in Natural Sand/Dust Environment	Invited	D-323	Oral	Symposium	Industrial tribology issues in the Asia-Pacific region II	Thursday 10th	10:50 - 12:30	D	1F
90873	Nikolay A Voronin	Topocomposites are new class of tribotechnical materials		J-345	Oral	Surface Engineering	Coatings VI	Thursday 10th	17:10 - 19:10	J	2F
90874	Haris Procopiou	Stone Polishing techniques during Aegean Prehistory: Texture, radiance and tactile perception		K-314	Oral	Surface Engineering	Surface Modifications III	Thursday 10th	08:40 - 10:20	K	2F
90875	Satoshi Yoshida	Tribological Analysis of DLC Clutch Plate		J-412	Oral	Surface Engineering	Coatings VII	Friday 11th	08:40 - 10:20	J	2F
90876	Laurence Astruc	Wear Morphology of Neolithic tools: characterization of transfer layers		I-343	Oral	Tribology Fundamentals	Wear III	Thursday 10th	17:10 - 18:50	I	2F
90877	Naoto Koyamaishi	Study of Future Engine Oil		C2-345	Oral	Lubrication, Lubricants and Additives	Lubricating Oil V	Thursday 10th	17:10 - 18:50	C-2	1F
90878	Takahiro Nitta	Sliding friction of elastomer with well-defined surface topography and in situ observation of its frictional interface		B1-335	Oral	Tribology Fundamentals	Friction III	Thursday 10th	15:00 - 16:40	B-1	2F
90879	Hiroyuki Kousaka	Tribological properties of DLC-coated inner surface of narrow metal tube by using new-type plasma CVD apparatus for internal coating with mirowaves		J-322	Oral	Surface Engineering	Coatings IV	Thursday 10th	10:50 - 12:30	J	2F
90882	Stijn Van Autreve	Experimental investigation of the frictional stability of engineering plastics		P-122	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90883	Yasuhisa Ando	Applying novel nano-patterned surfaces to macro-tribology testing		G-415	Oral	Micro-, Nano- and Molecular Tribology	Microtribology V	Friday 11th	08:40 - 10:20	G	1F
90884	Jeroen Van Wittenberghe	Friction Characteristics of Industrial Drum Brake Linings		P-123	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90885	Katrin Fischer	Discrete friction layer modeling under consideration of thermodynamic laws		P-124	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90886 - 90911

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90886	Kazuyuki Yagi	Anomalous elastohydrodynamic films of fatty alcohols in circular contacts		C1-324	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication IV	Thursday 10th	10:50 - 12:30	C-1	1F
90887	Itto Sugimoto	Tribological properties of Various DLC Films in Engine Oil		P-260	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90888	Yoshinori Sawae	Wear characteristics of PTFE and PTFE based composites in gaseous hydrogen		B1-125	Oral	Minisymposium	Hydrogen tribology for future energy II	Tuesday 8th	10:50 - 12:30	B-1	2F
90889	Yoshinori Sawae	Effects of lubricant lipid concentration on wear rate of UHMWPE and characteristics of wear particle in multidirectional sliding wear test		H-412	Oral	Tribosystems	Biotribology IV	Friday 11th	08:40 - 10:20	H	1F
90890	Masahiro Ueda	Frictional Characteristics of Oscillatory Ball Screws		P-277	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90891	Albert E. Yousif	The Static Characteristics of Externally Pressurized Circular Thrust Bearings with Various Fluid Film Shapes Lubricated with Lightly Dispersed Systems		C1-142	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication IV	Tuesday 8th	17:10 - 18:50	C-1	1F
90892	Withdrawn	Withdrawn		J-334	Oral	Surface Engineering	Coatings V	Thursday 10th	15:00 - 16:40	J	2F
90893	Naresh Chandra Murmu	Prognosis of Remaining Life of Rolling Element Bearings by using artificial neural network technique.		H-233	Oral	Tribosystems	Condition Monitoring I	Wednesday 9th	15:00 - 16:40	H	1F
90895	Shoichi Kikuchi	The Effect of Hybrid Surface Treatment; combination of Fine Particle Peening (FPP) and Gas Nitriding on Tribological behavior of AISI 316 Stainless Steel		P-261	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90896	Mihai M Arghir	Experimental analysis of air bearings dynamic characteristics by using an impact hammer		C1-112	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication I	Tuesday 8th	08:40 - 10:20	C-1	1F
90898	Withdrawn	Withdrawn		P-283	Poster	Manufacturing and Mechanical Components	Seals	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90899	Hamid Zaidi	Dry sliding of steel ferromagnetic-steel ferromagnetic couple under magnetic field		P-145	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90900	Michael Varenberg	Smart surface for dry and wet friction: bush cricket model		K-124	Oral	Surface Engineering	Texturing II	Tuesday 8th	10:50 - 12:30	K	2F
90901	Robert J Bruckner	Tribological Challenges of the Optimized Rotorcraft Propulsion System		B2-344	Oral	Tribosystems	Aerospace	Thursday 10th	17:10 - 18:50	B-2	2F
90903	Francis E Kennedy	Influence of Environment on Wear of Al-Si Alloys		I-422	Oral	Tribology Fundamentals	Wear V	Friday 11th	10:50 - 12:30	I	2F
90904	Johanna Olofsson	The Role of Surface Treatment in the Tribofilm Formation on Alumina Friction Drive Components		P-125	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90907	Luis A A Ferreira	Application of the Dang Van fatigue criterion to the rail/wheel contact problem		B2-335	Oral	Tribosystems	Railways, Heavy Machinery and Maintenance	Thursday 10th	15:00 - 16:40	B-2	2F
90908	Svajus J. Asadauskas	Effects of Suspended Iron Particles on Tribologic Properties of Mineral and Vegetable Oils		I-434	Oral	Tribology Fundamentals	Wear VI	Friday 11th	14:00 - 15:40	I	2F
90909	Beatriz Fernandez-Diaz	Tribological study of alternative CrVI-free hard coatings sliding against polymers		J-342	Oral	Surface Engineering	Coatings VI	Thursday 10th	17:10 - 19:10	J	2F
90910	Robert J Bruckner	Advances in the Hydrodynamic Simulation and Modeling of Gas Foil Bearings		F-213	Oral	Manufacturing and Mechanical Components	Bearings - Foil Bearing I	Wednesday 9th	08:40 - 10:20	F	1F
90911	Evgeny Kuznetsov	THD Analysis of a Compliant Journal Bearing Considering Liner Deformation		P-126	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90912 - 90940

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90912	C. John Lo	A Success Story, the Clouds and the Earth's Radiant Energy System Biaxial Scan Assembly	Keynote	B2-341	Oral	Tribosystems	Aerospace	Thursday 10th	17:10 - 18:50	B-2	2F
90913	Martin Priest	Tribology Needs in the Automotive Industry	Invited	D-312	Oral	Symposium	Industrial tribology issues in the Asia-Pacific region I	Thursday 10th	08:40 - 10:20	D	1F
90914	Vladimir I Kolesnikov	Thermal and physical processes in metal polymeric tribosystems		K-414	Oral	Tribology Fundamentals	Friction V	Friday 11th	08:40 - 10:20	K	2F
90915	Ahmet T Alpas	Ultra-Mild Wear in Al-Si Alloys	Invited	B1-214	Oral	Minisymposium	Ultra-mild wear and tribo-chemical interactions	Wednesday 9th	08:40 - 10:40	B-1	2F
90916	Heinrich W Theissen	The German Market Introduction Program for Bio-based Lubricants	Keynote speech	B2-321	Oral	Minisymposium	Tribological aspects of fluid power II	Thursday 10th	10:50 - 12:30	B-2	2F
90917	Sabeur Mezghani	Multiscale signature of contact stiffness parameter in belt grinding process		P-267	Poster	Manufacturing and Mechanical Components	Manufacturing Processes	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90918	Osman L Eryilmaz	Fundamental Tribological Mechanisms of Hydrogen-free and Highly Hydrogenated DLC Films: An Imaging TOF-SIMS Study	Invited	B1-141	Oral	Minisymposium	Diamond-Like Carbon for tribology II	Tuesday 8th	17:10 - 18:50	B-1	2F
90922	Attila Csoban	A model for calculating the Oil Churning, the Bearing and the Tooth Friction Losses Generated in Planetary Gears		P-374	Poster	Tribosystems	Heavy Machinery	Thursday 10th	14:00 - 15:00	Event Hall	1F
90923	Maria-Isabel De Barros Bouchet	Tribochemistry of ta-C Coatings in Presence of Alcohols and a-C:H coatings in Dry Conditions		J-231	Oral	Surface Engineering	Coatings II	Wednesday 9th	15:00 - 16:40	J	2F
90924	Somuri V Prasad	The Role of Nanostructures on Metallic Friction: Fundamental Understanding from Studies on Single Crystals	Invited	D-422	Oral	Minisymposium	Science of friction II	Friday 11th	10:50 - 12:55	D	1F
90927	Jonee Christine P. Zunega	High Temperature Depth Sensing Indentation of WC-Co Hardmetals		P-209	Poster	Surface Engineering	Tribomaterials	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90928	Malcolm F Fox	The Potential of Ionic Liquids as Additives and Lubricants	Keynote	C2-141	Oral	Lubrication, Lubricants and Additives	Additives II	Tuesday 8th	17:10 - 18:50	C-2	1F
90929	Anthony J Rollin	Vehicle Fuel Economy Testing of Automatic Transmission Fluids	Invited	B2-121	Oral	Minisymposium	Additives technology of lubricants for the next generation II	Tuesday 8th	10:50 - 12:30	B-2	2F
90931	Akira Nakajima	Effects of Substrate Hardness and Coating Thickness on Durability of Thermally Sprayed WC Cermet Coating under Dry Rolling/Sliding Contact Conditions		J-422	Oral	Surface Engineering	Coatings VIII	Friday 11th	10:50 - 12:50	J	2F
90932	Noritsugu Umehara	Superior lubrication of CNx coating in nitrogen gas	Invited	B1-142	Oral	Minisymposium	Diamond-Like Carbon for tribology II	Tuesday 8th	17:10 - 18:50	B-1	2F
90935	Toshifumi Mawatari	Shear Stress Analysis of EHL Oil Films based on Thermal EHL Theory under Elliptical Contact		C1-331	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication V	Thursday 10th	15:00 - 16:40	C-1	1F
90936	Edson C Santos	Application of laser gas nitriding for improvement of wear resistance of titanium bearings		P-243	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90937	Tomoyuki Koyama	Gasket rubber materials for intake manifolds of Flex fuel vehicles(FFV)		P-284	Poster	Manufacturing and Mechanical Components	Seals	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90938	Aswad S Manzoor	A Comparative Study of Micro Textured Hydrodynamic Bearings		P-215	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90939	Liu Benhai	The Elastohydrodynamic Lubrication Analysis of Emulsion-Lubricated Composite Plastic Bearings		C1-234	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication II	Wednesday 9th	15:00 - 16:40	C-1	1F
90940	Zahrul Fuadi	Map of Low-frequency Stick-slip of Creep Groan		B1-334	Oral	Tribology Fundamentals	Friction III	Thursday 10th	15:00 - 16:40	B-1	2F

Abstract Receipt No. 90941 - 90963

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90941	Jing Ling Zhou	Pure Rolling Contact Fatigue Test Rig		B1-323	Oral	Tribology Fundamentals	Friction II	Thursday 10th	10:50 - 12:30	B-1	2F
90942	Takaaki Kawaguchi	Interfacial friction and related tribological phenomena at nanoscale		P-166	Poster	Micro-, Nano- and Molecular Tribology	Molecular Simulations	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90944	Koji Matsumoto	Tribological Properties of Solid Lubricants in Moon Dust Environment	Invited	B1-431	Oral	Minisymposium	Tribology issues in novel field	Friday 11th	14:00 - 15:40	B-1	2F
90945	Takayuki Tokoroyama	The effect of Ultraviolet ray irradiation on frictional behavior of Carbon Nitride coating in nitrogen gas		J-224	Oral	Surface Engineering	Coatings I	Wednesday 9th	10:50 - 12:30	J	2F
90946	Zen Kawanoue	Evaluation of Rolling and Lubricating Behavior in Ball Bearings by Ultrasonic Technique		P-376	Poster	Tribosystems	Maintenance	Thursday 10th	14:00 - 15:00	Event Hall	1F
90947	Robert W Bruce	VSV Bushing Material System		J-124	Oral	Surface Engineering	Tribomaterials II	Tuesday 8th	10:50 - 12:30	J	2F
90948	Zhou Fei	Friction and wear properties of C ion implanted silicon nitride against silicon nitride balls in water lubrication		K-231	Oral	Surface Engineering	Surface Modifications II	Wednesday 9th	15:00 - 16:40	K	2F
90949	Pengfei Wang	Effect of Oxygen on Friction and Wear Properties of Carbon Nitride Coatings		J-222	Oral	Surface Engineering	Coatings I	Wednesday 9th	10:50 - 12:30	J	2F
90950	Naoshi Izumi	Fretting wear tests of steels in hydrogen gas environment		B1-114	Oral	Minisymposium	Hydrogen tribology for future energy I	Tuesday 8th	08:40 - 10:20	B-1	2F
90951	Yusuke Fujii	Frictional Vibration Properties of Ball Bearing Lubricated by Tribo-coated Ag Films		P-349	Poster	Lubrication, Lubricants and Additives	Solid Lubricants	Thursday 10th	14:00 - 15:00	Event Hall	1F
90952	Koshi Adachi	Running-in for Reducing Friction of CNx-coatings in Nitrogen Gas	Keynote	J-221	Oral	Surface Engineering	Coatings I	Wednesday 9th	10:50 - 12:30	J	2F
90953	Masatoshi Shimizu	Surface Texturing for Running-in of Silicon-based Ceramics in Water		P-216	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90954	Kazuhiro Nakashima	Effect of Moisture Content on Wear of PTFE in Hydrogen		I-325	Oral	Tribology Fundamentals	Wear I	Thursday 10th	10:50 - 12:30	I	2F
90955	Shinya Okamoto	Preparation of DLC Film by Sputtering and its Mechanical and Tribological Properties		P-244	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90957	Yosuke Tsukiyama	Wear property of carbon nanotube film made by surface decomposition SiC		P-182	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90958	Michiyasu Owashi	Measurement of Contact Pressure Distribution between Gear Teeth using a Thin-film Sensor		C1-341	Oral	Manufacturing and Mechanical Components	Gears	Thursday 10th	17:10 - 18:50	C-1	1F
90959	Takashi Izumi	Effect of Applied DC Voltage to Contact Interface on Friction of Si-based Ceramics in Water		P-262	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90960	Atsushi Tajiri	Contact analysis for material softening by frictional heating		P-127	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90961	Shingo Abe	Friction Properties of MoS ₂ -containing DLC in Ultra High Vacuum		K-222	Oral	Surface Engineering	Surface Modifications I	Wednesday 9th	10:50 - 12:30	K	2F
90962	Hiroshi Tachikawa	Wear Properties of Linear Ultrasonic Motor for High-precision and High-speed Positioning Stage		P-146	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90963	Yoshihiro Shinka	Influence of volatility on the engine oil coking formation		P-334	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 90964 - 90990

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90964	Shinichiro Sakamoto	Tribological Properties of Al-Sn-Si Bushing with Enlarged Silicon Particle		F-141	Oral	Manufacturing and Mechanical Components	Bearings - Bush and Others	Tuesday 8th	17:10 - 18:50	F	1F
90966	Gwidon W Stachowiak	Tribology in Australia - Past, Present and Future	Invited	D-313	Oral	Symposium	Industrial tribology issues in the Asia-Pacific region I	Thursday 10th	08:40 - 10:20	D	1F
90967	Guillaume Michal	Influence of force-based crosstalks on the "Wedge Method" in Lateral Force Microscopy		G-124	Oral	Micro-, Nano- and Molecular Tribology	Microtribology II	Tuesday 8th	10:50 - 12:30	G	1F
90968	Koshi Adachi	Running-in Effect on Friction of SiC Self-mated Sliding in Water		K-132	Oral	Surface Engineering	Texturing III	Tuesday 8th	15:00 - 16:40	K	2F
90969	Hsiao Yeh Chu	Effects of High Temperature Plasma Nitriding Process Time on Hardness and Wear Loss		K-232	Oral	Surface Engineering	Surface Modifications II	Wednesday 9th	15:00 - 16:40	K	2F
90970	Yujiro Yasutake	Tribological Properties of Atmospheric Oxidized Ti-6Al-4V Alloy Pre-treated with Fine Particle Peening (FPP)		P-263	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90971	Yasuha Higashine	Hydrogen Generation by Reaction of Greases with Nascent Clean Surface of a Steel		B2-424	Oral	Minisymposium	Innovative study of lubricating grease II	Friday 11th	10:50 - 13:20	B-2	2F
90973	Hiroyuki Sakai	Consideration about the Emulsification stability of Cutting Oil for Magnesium Alloy.		C2-143	Oral	Lubrication, Lubricants and Additives	Additives II	Tuesday 8th	17:10 - 18:50	C-2	1F
90974	Takahiro Katoh	Tribological Characteristics of Laser Clad Molybdenum Disulfide / Tungsten Disulfide Composite Layers		P-350	Poster	Lubrication, Lubricants and Additives	Solid Lubricants	Thursday 10th	14:00 - 15:00	Event Hall	1F
90975	Tomoaki Iwai	Friction and Wear of Rubber and PTFE in Hydrogen Atmosphere		B1-124	Oral	Minisymposium	Hydrogen tribology for future energy II	Tuesday 8th	10:50 - 12:30	B-1	2F
90976	Yuuki Shibuya	Static friction as a function of waiting time probed by dynamics of driven vortices in La _{2-x} Sr _x CuO ₄ thin films		P-128	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90977	Akira Ito	Dynamic analysis of force acting on cage of deep groove ball bearing		I-125	Oral	Tribology Fundamentals	Contact Mechanics II	Tuesday 8th	10:50 - 12:30	I	2F
90978	Dae-Eun Kim	Nano to Macro-scale Tribological Issues in Industrial Technology	Invited	D-321	Oral	Symposium	Industrial tribology issues in the Asia-Pacific region II	Thursday 10th	10:50 - 12:30	D	1F
90981	Mihir Sarangi	STUDY OF JOURNAL BEARING WITH MICRO-TEXTURES		P-310	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
90982	Kwang-Seop Kim	Effect of temperature on the micro-scale friction behavior of thermoplastic polymer film		G-134	Oral	Micro-, Nano- and Molecular Tribology	Microtribology III	Tuesday 8th	15:00 - 16:40	G	1F
90983	Yuan Gao	Atomic-scale anisotropy of nanoscratch behavior of Pure Aluminum		P-167	Poster	Micro-, Nano- and Molecular Tribology	Molecular Simulations	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90984	Satoshi Koganemaru	Study on Velocity-Dependent Friction of Low Friction Coating for Fasteners		K-421	Oral	Tribology Fundamentals	Friction VI	Friday 11th	10:50 - 12:30	K	2F
90987	Ki-Hyun Kim	Tribological effect of surface texturing on die materials for practical application.		P-217	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90988	Young Shik Pyoun	Experimental Analysis on the Coefficient of Friction of Disc-on-Disc by the Ultrasonic Nanocrystal Surface Modification		K-333	Oral	Surface Engineering	Surface Modifications V	Thursday 10th	15:00 - 16:40	K	2F
90989	Yuji Azuma	Influence of friction plate groove cross sectional shape on friction characteristics		F-433	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element III	Friday 11th	14:00 - 15:40	F	1F
90990	Pyung Hwang	Thermo-mechanical Coupling Behavior and Friction Investigation of Solid and Ventilated Disc Brake based on 3D Finite Element Model		F-425	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element II	Friday 11th	10:50 - 12:30	F	1F

Abstract Receipt No. 90992 - 91014

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
90992	Mitsuya Saika	About procedure and characterization of the water dilution emulsion grease.		P-344	Poster	Lubrication, Lubricants and Additives	Grease	Thursday 10th	14:00 - 15:00	Event Hall	1F
90994	Hiroimitsu Katsuki	Mixed and Boundary Lubrication Characteristics of Plain Bearing Materials in Contra-Rotating Ball-on-Disk Tribo-Tester		B1-322	Oral	Tribology Fundamentals	Friction II	Thursday 10th	10:50 - 12:30	B-1	2F
90995	Yong-Bok Lee	Vibration Control of Rigid Rotor System Supported by HSBs(Hybrid Smart Bearings)		F-223	Oral	Manufacturing and Mechanical Components	Bearings - Foil Bearing II	Wednesday 9th	10:50 - 12:30	F	1F
90996	Hiroya Miyamoto	Study of Mu-V characteristics degradation mechanism for the start-up clutch CVTF and the development of next generation CVTF.		P-335	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
90997	Yasushi Tomizawa	Tribological Investigation for a Probe Nano Lithography using Conductive Atomic Force Microscopy		P-183	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
90998	Shuusaku Maeda	Lubricating Film Formation by using Heat Treating Oil and Improvement of Coefficient of Friction Characteristic		P-245	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
90999	Norio Sembongi	Effects of Oxygen-including Compounds on Cutting Performance in MQL Machining of Aluminum		D-233	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) III	Wednesday 9th	15:00 - 16:40	D	1F
91000	Chang Soon Lee	AN INVESTIGATION INTO VARIATION OF FRICTION COEFFICIENT OF THRUST BALL BEARING AFTER ULTRASONIC NANOCRYSTAL SURFACE MODIFICATION TREATMENT: SPECIFIC EFFECT OF LOAD AND SLIDING RATE		F-234	Oral	Manufacturing and Mechanical Components	Bearings - Rolling Bearing I	Wednesday 9th	15:00 - 16:40	F	1F
91001	Yong Fang Li	Wear and Friction Characteristics of a Pencil Type Microprobe for SPM Lithography		P-184	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91002	Peter M Lee	Comparison of tribochemical processes in a ring on liner tribometer and fired and motored engine tests		B2-222	Oral	Lubrication, Lubricants and Additives	Lubricating Oil II	Wednesday 9th	10:50 - 12:30	B-2	2F
91003	Shozaburo Konishi	Study on boundary film formation and adsorption effect derived from EP and AW additives		C2-434	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VIII	Friday 11th	14:00 - 15:40	C-2	1F
91005	Yan Zhou	Mechanism of Material Removal in Chemical Mechanical Polishing of GaAs Wafer		P-268	Poster	Manufacturing and Mechanical Components	Manufacturing Processes	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91006	Uchioki Masami	The distinct element method simulation of charge collection induced by tribocharging on insulators		P-129	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91007	Kanao Fukuda	Friction and wear of ferrous materials in hydrogen gas environment		B1-115	Oral	Minisymposium	Hydrogen tribology for future energy I	Tuesday 8th	08:40 - 10:20	B-1	2F
91008	Itagaki Hiroyuki	Anti-wear and anti-friction properties of natural additives originated from vegetable oil		P-130	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91009	Yuji Hirai	Fabrication of the Silver Dimple Micro-Structured Film for Low Frictional Surface		P-218	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91010	Jun Hoshikawa	Consideration on Piston and Cylinder Liner Friction - Effect of 'Soft' Skirt		F-423	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element II	Friday 11th	10:50 - 12:30	F	1F
91011	Bo Liu	Study of Slider-Lube Contact and Slider-Lube-Disk Interactions	Invited	B1-415	Oral	Minisymposium	Tribology in information storage systems I	Friday 11th	08:40 - 10:40	B-1	2F
91013	Moritsugu Kasai	Influence of lubricants in plain bearing performance Part I: Evaluation of Bronze and Babbitted bearing performance with a base oil		B2-234	Oral	Lubrication, Lubricants and Additives	Lubricating Oil III	Wednesday 9th	15:00 - 16:40	B-2	2F
91014	Minoru Hanahashi	Effects of supply oil flow rate and supply oil nozzle shape on bearing performance of tilting pad journal bearings		B2-332	Oral	Tribosystems	Railways, Heavy Machinery and Maintenance	Thursday 10th	15:00 - 16:40	B-2	2F

Abstract Receipt No. 91015 - 91037

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91015	Junho Choi	Development of Si-DLC Coatings with Ultra-Low Friction and High Hardness		J-235	Oral	Surface Engineering	Coatings II	Wednesday 9th	15:00 - 16:40	J	2F
91016	Tomomi Honda	COLOR CHARACTERIZATION OF MEMBRANE PATCHES FOR THE OIL DEGRADATION ANALYSIS		H-231	Oral	Tribosystems	Condition Monitoring I	Wednesday 9th	15:00 - 16:40	H	1F
91017	Toshiya Shiramatsu	Investigation of mechanical clearance change with thermal fly-height control slider at high altitude	Keynote	H-211	Oral	Tribosystems	Hard Disk Drives	Wednesday 9th	08:40 - 10:20	H	1F
91018	Withdrawn	Withdrawn		H-222	Oral	Tribosystems	Manufacturing Equipment	Wednesday 9th	10:50 - 12:30	H	1F
91019	Daniele Dini	The influence of the microscopic contact behaviour on energy dissipation and hysteretic response of frictional joints		I-314	Oral	Tribology Fundamentals	Contact Mechanics VIII	Thursday 10th	08:40 - 10:20	I	2F
91020	Kazuyuki Mizuhara	The factors affecting the usability of touch pad		K-143	Oral	Surface Engineering	Texturing IV	Tuesday 8th	17:10 - 18:50	K	2F
91021	Ardian Morina	Tribochemistry of lubricant additives on next-generation surface coatings	Keynote speech	B2-111	Oral	Minisymposium	Additives technology of lubricants for the next generation I	Tuesday 8th	08:40 - 10:20	B-2	2F
91022	Ivan Iordanoff	Discrete Element method : How complexity emerges from simple interaction particle laws		B1-313	Oral	Tribology Fundamentals	Friction I	Thursday 10th	08:40 - 10:20	B-1	2F
91023	Takao Koide	Effect of Surface-Rolling on Surface Durability of High Density Sintered Metal Rollers		C1-342	Oral	Manufacturing and Mechanical Components	Gears	Thursday 10th	17:10 - 18:50	C-1	1F
91024	Takahisa Nagao	Numerical Prediction of Erosion by Gas-Solid Two-Phase Flows		P-147	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91025	Masayuki Ochiai	Stability experiment of small bore journal bearings supporting an asymmetrical shaft under flooded and starved lubrication conditions		F-133	Oral	Manufacturing and Mechanical Components	Bearings - Journal Bearing	Tuesday 8th	15:00 - 16:40	F	1F
91027	Seh-Chun Lim	Tribology of UHMWPE/CNT film on Al substrate		J-425	Oral	Surface Engineering	Coatings VIII	Friday 11th	10:50 - 12:50	J	2F
91028	Yuki Yamamura	The assay of latex allergens as a function of wear particle size of natural rubber during rolling-sliding contact		P-148	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91029	Ullrich Gunst	Investigation of Tribological System Surfaces of High-Speed Rolling Element Bearings by AES, XPS and SIMS		B2-423	Oral	Minisymposium	Innovative study of lubricating grease II	Friday 11th	10:50 - 13:20	B-2	2F
91030	Sujeet K Sinha	The surface energy effects on static friction for soft and hard materials at low loads		K-424	Oral	Tribology Fundamentals	Friction VI	Friday 11th	10:50 - 12:30	K	2F
91031	Yutaro Kosugi	Friction properties of the porous rubber under wet condition		P-131	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91032	Nobuo Sakai	Biphasic lubrication of cartilage tissue evaluated from the observation of depth-dependent compressive behavior		H-423	Oral	Tribosystems	Biotribology V	Friday 11th	10:50 - 12:30	H	1F
91033	Fabien Migout	Numerical and experimental study of phase change in water lubricated mechanical face seals.		F-333	Oral	Manufacturing and Mechanical Components	Seals II	Thursday 10th	15:00 - 16:40	F	1F
91035	Bernard Tournerie	Deterministic simulations of surface roughness effect in mechanical face seals performance		F-324	Oral	Manufacturing and Mechanical Components	Seals I	Thursday 10th	10:50 - 12:30	F	1F
91036	Soutarou Yagi	Corrosion wear phenomenon under lubrication with ionic liquid		P-336	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
91037	Thierry Janssens	Considerations on the Lift-up effect in Sliding Friction		P-132	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 91038 - 91061

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91038	Zhonghua Gu	Effect of the stability parameters of nano-SiO ₂ slurries on Chemical-mechanical polishing (CMP) of silicon wafer		P-269	Poster	Manufacturing and Mechanical Components	Manufacturing Processes	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91039	Toshiro Miyajima	Effect of surface topography on friction behavior of SiC-particle reinforced aluminum matrix composites		P-219	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91041	Jung-Chul Heo	Adhesion Characteristics of UV curable resins for Nano-imprint Lithography Application		G-414	Oral	Micro-, Nano- and Molecular Tribology	Microtribology V	Friday 11th	08:40 - 10:20	G	1F
91042	Hiroki Yamakiri	Tribological properties of Laser surface textured silicon nitride under lubrication with water.		P-220	Poster	Surface Engineering	Texturing	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91043	Koji Ikeda	Dynamic friction characteristics between tennis string and tennis ball during impact		F-434	Oral	Manufacturing and Mechanical Components	Tribology in Machine Element III	Friday 11th	14:00 - 15:40	F	1F
91044	Farid Al-Bender	An experimental and theoretical investigation into the relationship between the normal load and the friction force in pre-sliding, frictional contacts		K-415	Oral	Tribology Fundamentals	Contact Mechanics IV	Tuesday 8th	17:10 - 18:50	I	2 F
91045	Takuma Imoto	Study on Mechanism of Low Friction in Boundary Condition with Lubricant Containing Oleyl Acid Phosphate		P-324	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
91046	Kazutoshi Nakamura	Effect of tool surface morphology and lubricants in micro cutting process observed with in-situ set-up		F-111	Oral	Manufacturing and Mechanical Components	Manufacturing -Material Removal Process	Tuesday 8th	08:40 - 10:20	F	1F
91047	Norifumi Miyanaga	Effect of the surface roughness of mechanical seal under blood sealing		P-289	Poster	Manufacturing and Mechanical Components	Other Components	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91048	Benny K André	Potential of a new low-friction coating based on inorganic fullerenes -comparison with state-of-the-art PVD coatings		J-232	Oral	Surface Engineering	Coatings II	Wednesday 9th	15:00 - 16:40	J	2F
91049	Eisuke Sentoku	Tribological properties of DLC film with nanostructure induced by femtosecond laser irradiation		P-264	Poster	Surface Engineering	Surface Modifications	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91050	Miyana Norifumi	Whirl characteristics of herringbone grooved aerodynamic journal bearings with considering frequency dependence of external support elements		P-311	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
91052	Yoshiro Iwai	Evaluation of Wear Properties of DLC Films by a Micro Slurry-Jet Erosion (MSE) Test		J-325	Oral	Surface Engineering	Coatings IV	Thursday 10th	10:50 - 12:30	J	2F
91053	Kouitsu Miyachika	Traction Characteristics in Traction Drive of Concave and Convex Roller Pair (Cases using Traction Oils TD10, TD22 and KTF-1)		C1-343	Oral	Manufacturing and Mechanical Components	Gears	Thursday 10th	17:10 - 18:50	C-1	1F
91055	Takefumi Otsu	Simple experiment on permeation of hydrogen into steel in contact		P-278	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91056	Keiji Hirao	Environment and energy savings by use of synthetic esters		B2-135	Oral	Minisymposium	Energy savings by use of synthetic lubricants (New Generation of Synthetic Lubricants)	Tuesday 8th	15:00 - 17:00	B-2	2F
91057	JaeYoung Cho	A Study On Optimal Coating Process of WC-CoFe Coatings Sprayed by HVOF		P-246	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91058	Katsuhiko Nakamae	The new analytical methods for the surface/interface structures by synchrotron radiation	Invited	B1-435	Oral	Minisymposium	Tribology issues in novel field	Friday 11th	14:00 - 15:40	B-1	2F
91059	Naoshi Izumi	EHL numerical simulation in reciprocating rolling point contact		C1-333	Oral	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication V	Thursday 10th	15:00 - 16:40	C-1	1F
91060	YunKon Joo	Optimization of Diamalloy4006 Coating Process by High Velocity Oxy-fuel Thermal Spray Coating		P-247	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91061	Yusuke Morita	Effect of Misfit Angle on Superlubricity of Molybdenum Disulfide: A Computational Chemistry Study		P-168	Poster	Micro-, Nano- and Molecular Tribology	Molecular Simulations	Tuesday 8th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 91062 - 91092

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91062	Hatsuhiko Usami	Tribological properties of functional graded steel surface by fine particle peening		K-323	Oral	Surface Engineering	Surface Modifications IV	Thursday 10th	10:50 - 12:30	K	2F
91063	Takehiro Morita	Influence of water vapor in hydrogen gas on the friction and wear of cobalt-based alloy		J-132	Oral	Surface Engineering	Tribomaterials III	Tuesday 8th	15:00 - 16:40	J	2F
91064	Naohide Miyamoto	Measurement of lubricant film thickness on rolling contact track		P-366	Poster	Tribosystems	Aerospace	Thursday 10th	14:00 - 15:00	Event Hall	1F
91065	H. M. Ghasemi	Synergistic erosion-corrosion behavior of 316 stainless steel in H2SO4 aqueous environment		I-414	Oral	Tribology Fundamentals	Wear IV	Friday 11th	08:40 - 10:20	I	2F
91067	Takanori Kuriaki	Multi Scale Simulator for Analysis of Mechanical and Frictional Property of Diamond-like Carbon Film		P-248	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91069	Ling Wang	Tapered roller bearing condition monitoring using multiple in line and off line sensors		H-311	Oral	Tribosystems	Condition Monitoring II	Thursday 10th	08:40 - 10:20	H	1F
91071	Tomohisa Kumagai	Ab-initio investigations of the atomic structures of Si-DLC films		P-169	Poster	Micro-, Nano- and Molecular Tribology	Molecular Simulations	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91072	Friedrich Franek	Molecular Dynamics Simulations of the Tribological Performance of Model Lubricant Additives		G-331	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations III	Thursday 10th	15:00 - 16:40	G	1F
91074	Sang-Ik Son	The effect of oil supply conditions on the performance of a hydrodynamic journal bearing		P-312	Poster	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
91075	Boleslaw Giemza	Service-life of porous bearings impregnated by greases		F-142	Oral	Manufacturing and Mechanical Components	Bearings - Bush and Others	Tuesday 8th	17:10 - 18:50	F	1F
91076	Hiroki Mano	Evaluation of tribo-coatings in hydrogen atmosphere		B1-123	Oral	Minisymposium	Hydrogen tribology for future energy II	Tuesday 8th	10:50 - 12:30	B-1	2F
91078	Vladimir Viktorov	DESIGN OF NON-CIRCULAR GAS BEARINGS FOR A ULTRA-HIGH SPEED SPINDLE		C1-212	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication V	Wednesday 9th	08:40 - 10:20	C-1	1F
91079	Akira Endou	Development of Novel Quantum Chemical Molecular Dynamics Simulator and Its Application to Tribochemistry		G-322	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations II	Thursday 10th	10:50 - 12:30	G	1F
91080	Hiroaki Matsuura	Influence of lubricating conditions on triboelectrification between metals and ceramics		P-133	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91082	Yonggang Meng	DISCUSSION ON THE MECHANISM OF POTENTIAL-CONTROLLED FRICTION OF METALS IN AQUEOUS SOLUTIONS		K-435	Oral	Tribology Fundamentals	Friction VII	Friday 11th	14:00 - 15:40	K	2F
91085	Hiroki Mano	Correlation between Lubricity and Oxidative Deterioration of Vegetable Oils		D-214	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) I	Wednesday 9th	08:40 - 10:20	D	1F
91086	Koji Miyake	Nanoscale to Macroscale Investigation of the Frictional Properties of Physisorbed Layers of Self-Organized Phthalocyanine Derivatives		P-185	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91088	Kazumasa Hosotani	Effect of lubricant properties on triboelectrification and triboluminescence of polymers		P-159	Poster	Micro-, Nano- and Molecular Tribology	Molecular Tribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91089	Koji Miyake	Correlation between Friction and Conformational Change of Densely Packed Vertically Aligned Carbon Nanotube Film Observed by Atomic Force Microscopy		G-223	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology II	Wednesday 9th	10:50 - 12:30	G	1F
91090	Tetsuya Okumura	Molecular dynamics simulations of dissolved hydrogen molecules under shear condition		G-335	Oral	Micro-, Nano- and Molecular Tribology	Molecular simulations III	Thursday 10th	15:00 - 16:40	G	1F
91092	Yu Tamura	Effect of atomic geometry of single- and polycrystalline metals and silicon on friction		P-186	Poster	Micro-, Nano- and Molecular Tribology	Microtribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F

Abstract Receipt No. 91093 - 91129

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91093	Masashi Mizukami	Resonance Shear Measurement on Liquid Nano-Films: Physical Model and Stick-Slip Analysis for Tribological Study		G-212	Oral	Micro-, Nano- and Molecular Tribology	Molecular Tribology I	Wednesday 9th	08:40 - 10:20	G	1F
91096	Helena Ronkainen	Friction and Wear Properties of DLC films - The Environmental and Mechanical Aspects	Keynote	J-311	Oral	Surface Engineering	Coatings III	Thursday 10th	08:40 - 10:20	J	2F
91097	Ken'ichi Hiratsuka	Tribochemical decomposition of nitrous oxide		K-433	Oral	Tribology Fundamentals	Friction VII	Friday 11th	14:00 - 15:40	K	2F
91098	Shinya Nakano	Tribological Study of Liquid Crystal Nano Film Under Electric Field Using Resonance Shear Measurement		P-160	Poster	Micro-, Nano- and Molecular Tribology	Molecular Tribology	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91099	Takayuki Takehi	Cracking of Hydrocarbon by Spark Discharge		C2-411	Oral	Lubrication, Lubricants and Additives	Lubricating Oil VI	Friday 11th	08:40 - 10:20	C-2	1F
91102	Christopher J Dyson	The Characterisation of Automotive Engine Oil Misting and the Implications for Tribological Performance		P-361	Poster	Tribosystems	Automobiles	Thursday 10th	14:00 - 15:00	Event Hall	1F
91103	Ken Nakano	Film formation of liquid crystals in EHD contacts		P-337	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
91104	Ken'ichi Hiratsuka	In-situ observation and on-line monitoring of wear processes	Invited	B1-216	Oral	Minisymposium	Ultra-mild wear and tribo-chemical interactions	Wednesday 9th	08:40 - 10:40	B-1	2F
91106	Steven N Herzog	Development of New Hydraulic Fluid Specification for Improved Energy Efficiency		B2-232	Oral	Lubrication, Lubricants and Additives	Lubricating Oil III	Wednesday 9th	15:00 - 16:40	B-2	2F
91109	Satoru Maegawa	Visualization of surface waves propagating within contact zones at the transition from stick to slip phases		B1-332	Oral	Tribology Fundamentals	Friction III	Thursday 10th	15:00 - 16:40	B-1	2F
91112	Kazuyoshi Manabe	Contribution of residual films to boundary lubrication in an analysis with a single asperity model		P-325	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
91114	Sho Takamasu	Relationship between abrasion patterns and stick-slip in sliding between hard and soft surfaces		P-149	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91115	So Sato	An experimental stick-slip model employing particle layers between two rotational annulus surfaces		P-134	Poster	Tribology Fundamentals	Friction	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91116	Jan Schumacher	Change of coefficient of friction due to ageing of fluids		B2-323	Oral	Minisymposium	Tribological aspects of fluid power II	Thursday 10th	10:50 - 12:30	B-2	2F
91117	Alberto Rota	Control of tribological properties by surface texturing : from macro- to nano-scale		K-113	Oral	Surface Engineering	Texturing I	Tuesday 8th	08:40 - 10:20	K	2F
91118	Su L Chen	Tapered Roller Bearing Condition Monitoring Using Data Fusion Techniques		P-380	Poster	Tribosystems	Condition Monitoring	Thursday 10th	14:00 - 15:00	Event Hall	1F
91121	Takeshi Nogami	Mechanisms to induce extreme-pressure effects of additives in metalworking fluids		P-357	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
91124	Mohd NF Ismail	Surface potential effects on friction and abrasion of sliding contacts lubricated by bentonite and polymer based solutions		P-326	Poster	Lubrication, Lubricants and Additives	Boundary Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
91125	Benjamin Fulleringer	Fully coupled elastic-plastic contact with friction using a semi-analytical method		I-312	Oral	Tribology Fundamentals	Contact Mechanics VIII	Thursday 10th	08:40 - 10:20	I	2F
91127	Richard J Underwood	An Investigation into the Load Support by Fluid Trapped in Dents		I-133	Oral	Tribology Fundamentals	Contact Mechanics III	Tuesday 8th	15:00 - 16:40	I	2F
91129	Julien Fontaine	Tribological behaviour of metal-DLC nanocomposite coatings: the critical role of tribofilm build-up		J-324	Oral	Surface Engineering	Coatings IV	Thursday 10th	10:50 - 12:30	J	2F

Abstract Receipt No. 91130 - 91157

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91130	Sergei Glavatskih	Influence of oil type on tilting pad journal bearing thermal characteristics.		C1-132	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication III	Tuesday 8th	15:00 - 16:40	C-1	1F
91132	Ion M Sivebaek	Large scale Molecular Dynamics and polymer friction		D-134	Oral	Symposium	Large-scale simulation in the field of tribology I	Tuesday 8th	15:00 - 16:40	D	1F
91133	Yannick Desplanques	Effect of heat accumulation along braking succession on interactions between hot band, friction mechanisms and tribological behaviour of a pad-disc pair		J-123	Oral	Surface Engineering	Tribomaterials II	Tuesday 8th	10:50 - 12:30	J	2F
91134	Trevor S Slack	Explicit Finite Element Modeling of Subsurface Originated Spalling in Bearing Contacts		P-110	Poster	Tribology Fundamentals	Contact Mechanics	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91137	Fengcai Wang	Non-Spherical Bearing Geometry and Elastohydrodynamic Lubrication of Metal-on-Metal Hip Joint Replacements under Transient Walking Conditions		H-322	Oral	Tribosystems	Biotribology I	Thursday 10th	10:50 - 12:30	H	1F
91138	Luis San Andres	MODELING OF A GAS FOIL BEARING FOR MICROTURBINE APPLICATION: Predicted versus measured dynamic force coefficients		F-212	Oral	Manufacturing and Mechanical Components	Bearings - Foil Bearing I	Wednesday 9th	08:40 - 10:20	F	1F
91140	Martin J Conlon	Identifying the rotordynamic coefficients of high-speed, oil-free foil bearings		F-214	Oral	Manufacturing and Mechanical Components	Bearings - Foil Bearing I	Wednesday 9th	08:40 - 10:20	F	1F
91141	Azzedine Dadouche	An Investigation on Lead-Free Materials for Heavily Loaded Bearings		J-122	Oral	Surface Engineering	Tribomaterials II	Tuesday 8th	10:50 - 12:30	J	2F
91142	Toshiharu Soneda	Shear and wavelength effects on the vibrotactile sensation of human skin in sliding contact		P-386	Poster	Tribosystems	Biotribology	Thursday 10th	14:00 - 15:00	Event Hall	1F
91143	Edgar Estupinan	Active Lubrication Strategies Applied to Dynamically Loaded Fluid Film Bearings		C1-113	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication I	Tuesday 8th	08:40 - 10:20	C-1	1F
91145	Ksenija Topolovec Miklozic	Study of Pitting Behaviour of Lubricants		P-150	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91146	Mircea Teodorescu	Prediction for MEMS micro-gears frictional impact degradation		G-111	Oral	Micro-, Nano- and Molecular Tribology	Microtribology I	Tuesday 8th	08:40 - 10:20	G	1F
91147	Nicholas Epiphaniou	Wear modelling of non-linear reciprocating elastomeric sealing systems		P-151	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91148	Youngmin Choi	A study on the tribological characteristics of graphite and silver nano-lubricant		P-338	Poster	Lubrication, Lubricants and Additives	Lubricating Oil	Thursday 10th	14:00 - 15:00	Event Hall	1F
91149	Mark O Robbins	Precursor Events and the Onset of Frictional Sliding	Invited	D-411	Oral	Minisymposium	Science of friction I	Friday 11th	08:40 - 10:20	D	1F
91150	Dong-Wook Kim	Friction Characteristics of Magnetic Clutch Used in Automotive Air Conditioning System		P-362	Poster	Tribosystems	Automobiles	Thursday 10th	14:00 - 15:00	Event Hall	1F
91151	Yusuke Ayame	The effects of atmosphere gas and molecule structure on pyrolysis of urea compound		B2-426	Oral	Minisymposium	Innovative study of lubricating grease II	Friday 11th	10:50 - 13:20	B-2	2F
91152	Minel J Braun	MANAGEMENT OF THERMAL EFFECTS FOR A POROUS SELF-CIRCULATING HYDRODYNAMIC BEARING		P-367	Poster	Tribosystems	Aerospace	Thursday 10th	14:00 - 15:00	Event Hall	1F
91155	Yanqiu Xia	ionic liquid, Nanocrystalline nickel coatings, coarse-grained nickel coatings, Boundary lubrication		C1-422	Oral	Lubrication, Lubricants and Additives	Boundary Lubrication II	Friday 11th	10:50 - 12:30	C-1	1F
91156	Minel Braun	Effects of Pocket Aspect Ratio and Restrictor Attack Angle on the Flow and Pressure Fields inside a Steady-State, Single Pocket Hydrostatic Bearing		C2-331	Oral	Lubrication, Lubricants and Additives	Lubricating Oil IV	Thursday 10th	15:00 - 16:40	C-2	1F
91157	Hiroyoshi Tanaka	Sliding friction and wear of DLC coating films in hydrogen environment		J-331	Oral	Surface Engineering	Coatings V	Thursday 10th	15:00 - 16:40	J	2F

Abstract Receipt No. 91158 - 91181

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91158	George G Adams	A Multi-Scale Model of Contact and Adhesion	Keynote	I-211	Oral	Tribology Fundamentals	Contact Mechanics V	Wednesday 9th	08:40 - 10:20	I	2F
91159	Boyu Dong	A Fundamental Study on Wet Blast Processing Using a Micro Slurry-jet Erosion (MSE) Tester		P-270	Poster	Manufacturing and Mechanical Components	Manufacturing Processes	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91160	Michael D Bryant	Entropy and Dissipative Processes of Friction and Wear		I-342	Oral	Tribology Fundamentals	Wear III	Thursday 10th	17:10 - 18:50	I	2F
91161	Sanjay Jain	EFFECT OF IMPACT ANGLE ON EROSIIVE WEAR PERFORMANCE OF PUMP CASING MATERIAL IN SOLID LIQUID MIXTURE		P-152	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91162	Zenon Pawlak	Fretting of a steel surface in the presence of grease compounded with boron nitride (h-BN)		B2-421	Oral	Minisymposium	Innovative study of lubricating grease II	Friday 11th	10:50 - 13:20	B-2	2F
91163	Zenon Pawlak	The influence of surface interfacial forces and hydrophobicity on the biolubrication of articular cartilage		H-431	Oral	Tribosystems	Biotribology VI	Friday 11th	14:00 - 15:40	H	1F
91164	Hiromasa Aritoshi	Study on Variation of Refrigerant Concentration in Lubricating Film under High Pressure Atmosphere of CO ₂ as a Refrigerant		P-316	Poster	Lubrication, Lubricants and Additives	Elastohydrodynamic Lubrication	Thursday 10th	14:00 - 15:00	Event Hall	1F
91165	Mamoru Oike	Effect of the Recess Aspect Ratio on Cryogenic Hybrid Journal Bearings		B2-343	Oral	Tribosystems	Aerospace	Thursday 10th	17:10 - 18:50	B-2	2F
91166	Thomas Ruehle	Comparison of zinc-containing and zinc-free hydraulic packages using severe laboratory performance tests	Invited	B2-123	Oral	Minisymposium	Additives technology of lubricants for the next generation II	Tuesday 8th	10:50 - 12:30	B-2	2F
91167	Marian Dzimko	Tribological Analysis of Nanocomposited TiAlSiN Layer a Computer Simulation and Experimental Approach		P-249	Poster	Surface Engineering	Coatings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91168	Andrej Zatvarnický	Topography of Spunbond Fabric and Filter Tribology		P-377	Poster	Tribosystems	Maintenance	Thursday 10th	14:00 - 15:00	Event Hall	1F
91170	Filippo Mangolini	Mechanical Stability of Thermal Films Formed on Bearing Steel in the Presence of Environmentally Friendly Additives: an XPS Analytical Study		P-358	Poster	Lubrication, Lubricants and Additives	Additives	Thursday 10th	14:00 - 15:00	Event Hall	1F
91171	Maura Crobu	Mechanical properties of Zinc and Iron polyphosphate glasses.		P-153	Poster	Tribology Fundamentals	Wear	Tuesday 8th	14:00 - 15:00	Event Hall	1F
91172	Luis A. Bastardo-Zambrano	Comparative study of bitumen oils		B2-214	Oral	Lubrication, Lubricants and Additives	Lubricating Oil I	Wednesday 9th	08:40 - 10:20	B-2	2F
91173	Tomas Polcar	Transition metal dichalcogenides alloyed with carbon: a complex tribological study		C2-123	Oral	Lubrication, Lubricants and Additives	Solid Lubricants	Tuesday 8th	10:50 - 12:30	C-2	1F
91174	Siyoul Jang	Study on the ATF Distribution Rates through the Oil holes in the Main Shaft of the Automatic Transmission		P-363	Poster	Tribosystems	Automobiles	Thursday 10th	14:00 - 15:00	Event Hall	1F
91176	Yoshinori Ishida	Effect of micro dimples on frictional properties in boundary lubricated condition		H-221	Oral	Tribosystems	Manufacturing Equipment	Wednesday 9th	10:50 - 12:30	H	1F
91177	Sergey Vasilij Fedorov	THE MECHANICAL QUANTUM OF DISSIPATIVE FRICTION STRUCTURES IS THE ELEMENTARY TRIBONANOSTRUCTURE.		K-413	Oral	Tribology Fundamentals	Friction V	Friday 11th	08:40 - 10:20	K	2F
91179	Hong Liang	Wear Modes of Copper in ECMP		I-411	Oral	Tribology Fundamentals	Wear IV	Friday 11th	08:40 - 10:20	I	2F
91180	Fengcai Wang	Dynamic Contact Mechanics and Wear Modelling of Hip Joint Replacements with Hard-on-Hard Material Combination under Three-Dimensional Loading and Transient Motion		I-335	Oral	Tribology Fundamentals	Wear II	Thursday 10th	15:00 - 16:40	I	2F
91181	Mitsuo Shinada	Characterization and Tribological Performances of a New Family of Linear PFPEs		C2-343	Oral	Lubrication, Lubricants and Additives	Lubricating Oil V	Thursday 10th	17:10 - 18:50	C-2	1F

Abstract Receipt No. 91182 - 91210

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91182	Ken Ikeuchi	Some Medical Applications of Tribology	Keynote	H-411	Oral	Tribosystems	Biotribology IV	Friday 11th	08:40 - 10:20	H	1F
91184	Zhimin Yuan	Bit pattern media recording system at 10 Tb/in ²	Invited	B1-425	Oral	Minisymposium	Tribology in information storage systems II	Friday 11th	10:50 - 12:30	B-1	2F
91185	Boyko L. Stoimenov	The level of rubbing sound in relation to surface roughness in several systems		B1-342	Oral	Tribology Fundamentals	Friction IV	Thursday 10th	17:10 - 18:50	B-1	2F
91191	Stanislaw Strzelecki	EFFECT OF LOBE OFFSET ON THE DEFORMATIONS OF OFFSET HALVES JOURNAL BEARING		C1-123	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication II	Tuesday 8th	10:50 - 12:30	C-1	1F
91192	Michael M. Khonsari	Applied Tribology: Marriage of research and industrial applications	Invited	D-311	Oral	Symposium	Industrial tribology issues in the Asia-Pacific region I	Thursday 10th	08:40 - 10:20	D	1F
91194	Vedantham Raman	RELIABILITY ISSUES IN MAGNETIC RECORDING HARD DISK DRIVES AT NANOMETER SPACINGS	Invited	B1-424	Oral	Minisymposium	Tribology in information storage systems II	Friday 11th	10:50 - 12:30	B-1	2F
91195	Kenji Yamamoto	Additives for Improving the Fuel Economy of Diesel Engine Systems	Invited	B2-112	Oral	Minisymposium	Additives technology of lubricants for the next generation I	Tuesday 8th	08:40 - 10:20	B-2	2F
91196	Evgeny B. Varlamov	New mathematical model for calculation of the rolling bearing fatigue life		P-279	Poster	Manufacturing and Mechanical Components	Bearings	Wednesday 9th	14:00 - 15:00	Event Hall	1F
91197	Atsutaka Maeda	Criteria for the validity of Amontons Coulomb law - Study of friction using dynamics of driven vortices of superconductors-	Invited	D-423	Oral	Minisymposium	Science of friction II	Friday 11th	10:50 - 12:55	D	1F
91198	Kristian Tonder	DIMPLED PIVOTED PLANE BEARINGS: MODIFIED COEFFICIENTS		C1-143	Oral	Lubrication, Lubricants and Additives	Hydrodynamic Lubrication IV	Tuesday 8th	17:10 - 18:50	C-1	1F
91200	Stephen Hsu	History of boundary lubrication	Invited	B1-234	Oral	Minisymposium	History of Tribology	Wednesday 9th	15:00 - 17:30	B-1	2F
91201	Zhongmin Jin	History of Biotribology of Natural Synovial Joints and Artificial Replacements	Invited	B1-235	Oral	Minisymposium	History of Tribology	Wednesday 9th	15:00 - 17:30	B-1	2F
91202	Yorikazu Shimotsuma	History of Tribology in Ancient North-east Asia -Chinese Chariot and Japanese Sledge-	Invited	B1-231	Oral	Minisymposium	History of Tribology	Wednesday 9th	15:00 - 17:30	B-1	2F
91203	Shinya Sasaki	Tribology for increasing the efficient use of energy	Invited	D-223	Oral	Symposium	Environmentally friendly tribology (Eco-tribology) II	Wednesday 9th	10:50 - 12:30	D	1F
91204	Masahiro Suzuki	Friction and Wear properties of Inorganic-Organic Hybrid Coatings under dry condition		P-378	Poster	Tribosystems	Maintenance	Thursday 10th	14:00 - 15:00	Event Hall	1F
91205	Richard F. Salant	Recent Research and Future Challenges in Simulating Hydraulic Seals	Keynote	F-341	Oral	Manufacturing and Mechanical Components	Seals III	Thursday 10th	17:10 - 18:50	F	1F
91206	Hideki Akita	About an examination of practicality for the water dilution emulsion grease		P-345	Poster	Lubrication, Lubricants and Additives	Grease	Thursday 10th	14:00 - 15:00	Event Hall	1F
91207	Wilfried J Bartz	Savings of Energy and Resorces by the Tribological Approach	Keynote speech	B2-131	Oral	Minisymposium	Energy savings by use of synthetic lubricants (New Generation of Synthetic Lubricants)	Tuesday 8th	15:00 - 17:00	B-2	2F
91208	Thomas G Dietz	Advanced PAO based Industrial Lubricants for Improved Energy Efficiency		B2-136	Oral	Minisymposium	Energy savings by use of synthetic lubricants (New Generation of Synthetic Lubricants)	Tuesday 8th	15:00 - 17:00	B-2	2F
91209	Naruo Sasaki	How to Design and Control Supelubric Molecular Bearings	Keynote	D-431	Oral	Micro-, Nano- and Molecular Tribology	Superlubricity	Friday 11th	14:00 - 15:40	D	1F
91210	Tianmin Shao	Progress in Laser Surface Texturing	Keynote	K-131	Oral	Surface Engineering	Texturing III	Tuesday 8th	15:00 - 16:40	K	2F

Abstract Receipt No. 91211 - 91222

Abstract Receipt Number	Presenter's Name	Abstract Title	Plenary/ Keynote/ Invited	Presentation Number	Presentation Style	Session Field	Session Title	Date	Time	Room	Floor
91211	Julien Fontaine	Fundamental Phenomena in Tribology of DLC Films: How to Reduce Friction and Wear	Keynote	K-221	Oral	Surface Engineering	Surface Modifications I	Wednesday 9th	10:50 - 12:30	K	2F
91212	Sujeet K Sinha	Self-Assembled Monolayers and Polymers as Nano-lubricants on Si	Keynote	J-131	Oral	Surface Engineering	Surface Modifications V	Thursday 10th	15:00 - 16:40	K	2F
91213	Ali Erdemir	Advances in Surface Engineering for Extreme Tribological Applications	Keynote	J-111	Oral	Surface Engineering	Tribomaterials I	Tuesday 8th	08:40 - 10:20	J	2F
91214	Withdrawn	Withdrawn		K-211	Oral	Surface Engineering	Texturing V	Wednesday 9th	08:40 - 10:20	K	2F
91215	Etienne Barthel	Recent advances in adhesive contacts models -- thin films and time dependent materials	Keynote	I-111	Oral	Tribology Fundamentals	Contact Mechanics I	Tuesday 8th	08:40 - 10:20	I	2F
91216	Mark O Robbins	Using Simulations to Probe the Atomic Origins of Macroscopic Friction	Plenary talk	Plenary Talk3	Oral	Symposium	Large-scale simulation in the field of tribology	Monday 7th	15:10 - 15:50	Main Hall	1F
91217	Noritsugu Umehara	Control of the sticking of soft materials	Keynote	K-311	Oral	Surface Engineering	Surface Modifications III	Thursday 10th	08:40 - 10:20	K	2F
91218	Jane Wang	Contact of Materials under Multiphysical Conditions	Keynote	I-131	Oral	Tribology Fundamentals	Contact Mechanics III	Tuesday 8th	15:00 - 16:40	I	2F
91220	Xiaolei Wang	Advanced Tribology Field with Surface Texturing Technology		B1-434	Oral	Minisymposium	Tribology issues in novel field	Friday 11th	14:00 - 15:40	B-1	2F
91221	Hiromu Hashimoto	Importance of Web Handling Technology		B1-433	Oral	Minisymposium	Tribology issues in novel field	Friday 11th	14:00 - 15:40	B-1	2F
91222	Matthew R. Sivik	Global Grease Industry Trends and Future Technology Needs	Keynote speech	B2-411	Oral	Minisymposium	Innovative study of lubricating grease I	Friday 11th	08:40 - 10:40	B-2	2F