

6th December 2017

Registration at Vedic Village Spa and Resort
Venue: Registration desk outside Cerebrum
(2.00 pm to 6.00 pm)

7th December 2017

Inauguration
(9.00 am to 10.00 am)

Venue: Cerebrum North Block

Inauguration of Exhibition by Chief Guest & High Tea Break

(10.00 to 10.30 am)

Venue: South Block

PLENARY SESSION I

(10.30 pm to 12.00 hrs)

Cerebrum North Block

1)

2)

Lunch

(1.30 pm to 2.00 pm)

Technical Session - I

(2.00 pm to 3.45 pm)

I-A : Bearing Tribology - I

I-C : Contact Mechanics & Friction -I

I-E : Surface Treatment & Coatings - I

Venue: Diwan-e-Khas I

Venue: Diwan-e-Khas III

Venue: Diwan-e-Aam II

TSI914524

Satish C. Sharma, Arvind K. Rajput

Bhavesh Kachhia, D Nelias

A. Amanov, S. Sasaki J.H. Kim , Y.S. Pyoun

A study of Orifice compensated geometric imperfect four pocket hydrostatic

Transient change of film thickness in EHL contact with surface defect

Effectiveness of Ultrasonic Nanocrystalline Surface Modification on The Mechanical,

TSI914661

TSI914709

TSI914533

TSI914644

Hiroyoshi Tanaka, Kakeru Enami, Masaaki Hashimoto , Joichi Sugimura

Deepak Kumar

Jill Sundberg, Harald Nyberg, Erik Särhammar, Tomas Nyberg, Staffan Jacobson, Ulf Jansson

Soyoung Jung , Woo Yul Yang , Hong Jin Kim, In-Ha Sung

Effects of hydrogen on structural change and rolling contact fatigue of steel

Role of ambient humidity on friction of oil lubricated steel

Tribological and chemical characterization of low-friction W-S-N coatings

Effects of Various Process Parameters on the Chatter Scratch Characteristics in Chemical Mechanical Polishing

TSI914511

TSI914719

TSI914537

TSI914646

Ayush Jain, G. Rajaram, Arindam Ghosh

Velpula Swamybabu, Manisha Mohan, Satish Vasu Kailas

Shubrajit Bhaumik , S. Prabhu

Hary Goonasekerak, Ryo Tsuboi, Amanov Auezhan, Shinya Sasaki, Young-Sik Pyun

Seong Kyun Hwang, Sung-Hyun Jung, In-Ha Sung

Tribological Behavior of WC/C coated bearing steel

Effects of ViscoElasticity on piston Secondary motion and skirt Lubrication in the Engine Initial Start up

INFLUENCE OF SURFACE TEXTURE ON COEFFICIENT OF FRICTION FOR SS316L BALL AND FLAT SPECIMEN

Carbon Nano Tube – a new generation nano additive for lubricants

Effect of Nano-crystalline surface layer (NSCL) on the tribological properties of Tungsten Carbide (WC)

Effect of Friction on the Performance of a CIPP(cured-in-place pipe) Process for Water Pipeline Rehabilitation

TSI914531

TSI914707

TSI914599

TSI914587

TSI914627

TSI914658

Prashant B. Kushare, Satish C Sharma

Reji Mathai, A Chausalkar, Sanker Bhadhavath, Lokesh Kumar, Himanshu Padia, A K Harinarain, Shyam Singh , A K Sehgal, Dr. B Basu

Sperka P., Krupka I., Hartl M.

Sarah Krol

N. C. Murmu, Rudra Bubai, P. Samanta, A. P. Harsha, Prosenjit Das

Soo Yeon Jang, Yong Hwi Kim, In-Ha Sung

Performance of Two Lobe Hole Entry Worn Hybrid Journal Bearing System Operating with Non-Newtonian Lubricant

Role of tribological studies in predicting the critical characteristics of an engine oil in automotive lubricant testing

On EHL Film Breakdown Caused by Roughness Feature

International Regulations for Food Grade Lubricants

Numerical investigation on delamination in different coatings of cutting tools used in micro-machining applications

A Study on the Sealing Effectiveness of a Cryogenic Seal Using Finite Element Analysis for Performance Enhancement

Tea Break

(3.45 pm to 4.00 pm)

Technical session - II (4.00 pm to 5.45 pm)					
II-A : Bearing Tribology - II	II-B : Bio Tribology - I	II-C : Wear Mechanism - I	II-D : Lubricants & Additives - II	II-E : Surface Treatment & Coatings - II	II-F : Nano Tribology - I
Venue: Diwan-e-Khas I	Venue: Diwan-e-Khas-II	Venue: Diwan-e-Khas III	Venue: Diwan-e-Aam I	Venue: Diwan-e-Aam II	Venue: Pavilion Heights
TSI914541	TSI914534	TSI914702	TSI914526	TSI914682	TSI914574
Yinping Jin, Xintao Xia, Ming Qiu	Zhendong Dai , Zhouyi Wang , Aihong Ji, Qiang Xin	Dawit Zenebe Segu, Si Geun Choi, Seock Sam Kim	Nobuyoshi Ohno, Hirohito Mori, Toshifumi Mawatari, Bo Zhang, Bunji Ono , Sobahan Mia	Tomas Polcar, Albano Cavaleiro	Ravindra Kumar, Sujeet K. Sinha, Raju K Gupta
Parameter estimation of three-parameter weibull distribution based on bayes method	How do geckos increase the attachment reliability by modulating the friction forces	Sliding Wear behavior of Bulk Metallic Glass	Prediction of Pressure-Viscosity Coefficient of Environmentally Friendly Vegetable Oils	Towards frictionless surface: self-adaptive thin films	SiO2 Layer Modification: PFPE Encapsulated in Immobilised Dendrimer to Enhance Wear Life
TSI914545	TSI914696	TSI914699	TSI914561	TSI914622	TSI914538
Arvind K. Rajput, Satish C. Sharma	Atsushi Suzuki, Saori Sasaki, Taegu Noh, Kensuke Ota, Takaaki Shiina , Kazuhiro Nakashima, Seido Yarimitsu, Teruo Murakami	Maros, B. M, Németh, A. K., Kailer, A., Schröder, C., Károly, Z., Tapasztó, O.	Anthony E. Somers, Bhawna Khemchandania, Patrick C. Howlett, Jiazeng Sun, Douglas R. MacFarlane, Maria Forsyth	Sanjeev Katoch , Rakesh Sehgal, and Vishal Singh	Rashi Gusain, Harshal P. Mungse, Om P. Khatri
Effect of undulations of the journal on the performance of multi-recess conical hybrid journal bearing	Friction and Wear of PVA Hydrogels with Higher Mechanical Strength	Comparison of the wear behaviour of HIP and SPS sintered Si3N4/ MLG nanocomposites by pin-on-disc tests	Ionic Liquids as Anti-Wear Additives	Effect of cryogenic treatment on micro-hardness, wear behavior and microstructure of hot die steel AISI-H11.	Graphene Wrapped Copper Oxide Nanomaterials: Synthesis, Structural and Tribological Properties
TSI914559	TSI914543	TSI914506	TSI914566	TSI914629	TSI914562
G. Saravanakumar, L. Ravikumar, H.P. Jagadish	D. P. Mondal, A. K. Jha, M. S. Yadav, J. Dutta Majumdar	S K Jha, S Kumar, K Prakash, R Topno, PP Sengupta	Kalyani, Vinay Jaiswal, Rashmi Bala Rastogi, Devendra Kumar	W.H. Kao , Y. L. Su, J.H. Horng , S. H. Yao , H.J. Tsai	Arti Yadav, M. S. Bobji
Effect of Temperature on the Dynamic Characteristics of Magnetorheological Fluid Long Squeeze Film Damper	Wear and Corrosion Behavior of Cenosphere Dispersed Ti Matrix Composite Developed by Powder Metallurgy Route	Wear characterization of various grades of rail steel developed at SAIL	Synthesis and Tribological behavior of eco-friendly Schiff base as an additive for Zero-SAPS and their theoretical studies	Tribological properties of a-C:H:Zr-x coatings with various Zr target currents using unbalanced magnetron sputtering system	Tribological Properties of Nanoporous Alumina Film
TSI914507	TSI914556	TSI914509	TSI914583	TSI914659	TSI914595
D.V.SRIKANTH	Martin Vrbka, Ivan Krupka, Martin Hartl, Jiří Gallo	Anil Payyappalli Mana, Rajesh Kumar , A. Sethuramiah	Seung-Taek Kim, Seung-Mok Kim, Se-Min Park, Jung-Suk Lee , Tae-Hee Park, Jeong-Hoon Lee, Young-Ze Lee	Remigiusz Michalczewski, Witold Piekoszewski, Michał Michalak, Marian Szczerek, Jan Wulczynski	Vinay Jaiswal, Rajesh Kumar, Rashmi Bala Rastogi
Theoretical Computation of the Operational Characteristics in a Large Thrust Bearing	Measurement of thin films and friction in bovine serum lubricated artificial hip joints	An Investigation into the Influence of Initial Roughness on the Steady- State Wear Of AISI 52100 Steel in Dry Contact	The Tribological Behavior of Lubricants with Nanodiamond	Tribological characterization and wear mechanisms of AlTiN PVD coating designed for high temperature applications	Tribological studies of Stearic acid-modified CaCu3Ti4O12 nanoparticles as potential lubricant additive in paraffin oil

Cultural Programme followed by Conference Dinner
Venue: Cerebrum North Block
(7.00 pm onwards)

8th December 2017

Plenary Session II
(9.00 am to 11.00 am)
Cerebrum North Block

1)

2)

3)

Tea Break
(11.00 am to 11.30 am)

Business Meet - I
Venue: Diwan-e-Khas Hall
(11.30 am to 12.45 pm)

(1) RTEC Instruments

(2) Tianhe Chemicals

Lunch

(12.45 pm to 1.15 pm)

Technical session - III

(1.15 pm to 3.00 pm)

III-A : Bearing Tribology - III	III-B : Automotive Tribology-II	III-C : Tribo-Testing-I	III-D : Lubricants & Additives-III	III-E : Surface Treatment & Coatings-III	III-F : Tribology in Metalworking-I
Venue: Diwan-e-Khas I	Venue: Diwan-e-Khas-II	Venue: Diwan-e-Khas III	Venue: Diwan-e-Aam I	Venue: Diwan-e-Aam II	Venue: Pavilion Heights
TSI914628	TSI914650	TSI914664	TSI914516	TSI914703	TSI914675
Benyebka BOU-SAID, Mathieu GARCIA, Jérôme ROCCHI, Grégory GRAU	M. S. Prabhudev , K. Venkateswurtu, S. A. Kori	Debashis Puhan, Jayshree Bijwe	Alexey Moshkovich, Vladislav Perfiljev, Louisa Meshi, Shmuel Samuha, Sidney Cohen, Hagai Cohen, Alex Laikhtman, Lev Rapoport	Ronen Kreizman, Alon Shapira, George Diloyan	C. Courbon, M. Fallqvist, J. Hardell, R. M'Saoubi, Braham Prakash
Thermo-Hydrodynamic Study of Refrigerant-Lubricated Bearing	Dry sliding wear performance of A356 alloy with minor additions of Magnesium	Influence of solid lubricant and process of dispersion in the composite on performance properties Polyaryletherketone (PAEK) composite	Dislocation structure and nanohardness under friction of Cu samples in the lubrication conditions	New anti-friction/anti-wear coatings based on WS2 fullerene-like nanoparticles (IF WS2)	Influence of temperature and surface topography on friction and adhesion tendency of PVD TiAlN coating
TSI914596	TSI914626	TSI914515	TSI914594	TSI914606	TSI914598
Chippa Shriniwas , M Sarangi	Zahrul Fuadi , Takanori Takeno ,Kosuke Ito, Koshi Adachi ,Toshiyuki Takagi ,Tajuddin Muhammad	Harald Nyberg, Martina Grandin, Urban Wiklund, Staffan Jacobson	M.Amrita, R.R.Srikant, AVSitaramaraju, P Vamsi Krishna	Kyoung-Sup Kim, Jin-Sun Kim, Young-sung Kim , Young-Ze Lee	P.DURAISAMY
Influence of Longitudinal Roughness on the Elastohydrodynamic Lubrication Performance of Roller Bearings	Friction and wear of stainless steel lubricated by palm biodiesel	A method for tribological evaluation of gradient surfaces	Experimental evaluation of nanofluid in Minimum Quantity Lubrication	Friction and wear of ferromagnetic materials with different types of coating	Potential Health Effects Caused by physical Changes in the Cutting Fluids in the CNC Machining and Grinding Operations
TSI914554	TSI914513	TSI914648	TSI914620	TSI914692	TSI914564
Saurabh K Yadav, Satish C Sharma	Alan Hase, Kazuho Mizuta, Yukio Nishizawa, Koji Sugimoto, Katsuya Okayama	Shin-Sung Yoo, Dae-Eun Kim	Shubhamita Basu	Naoki Yamashita, Tomoko Hirayama, Takashi Matsuoka, Yoshinobu Tsujii	Rashmi Ranjan Sahoo, N. C. Murmu
Combined influence of tilt on the performance of hybrid thrust bearing system operating with non-Newtonian Lubricants	Basic Research on Evaluation of Frictional Properties for Brake Pad: Identification of Tribological Phenomena by In-situ Observation and AF Measurement Method	Considerations in Design and Fabrication of a MEMS Tribotester	Measuring and Improving Energy Efficiency of a Hydrostatic Drive System	Tribology of Oil-Compatible Concentrated Polymer Brushes under Boundary to Hydrodynamic Lubrication	Understanding the role of emulsifiers defined by chemistry and structure to the performance of metal working nanoemulsions.
TSI914536	TSI914656	TSI914548	TSI914705	TSI914674	TSI914715
K.R.V Nikhilesh, Ram Turaga	Jin Seok Ryu, Yong Hwi Kim, In-Ha Sung	Viacheslav N. Khovanskiy	Michael A. Müller, René Koschabek, Christoph Wincierz	S. Tiwari, S. Khedkar, J. Bijwe	Noura el Mehad
Influence of Texture Geometry and Spatial distribution on the performance of Inclined slider bearing- A CFD study	Prediction of the Drag Torque in an Automotive Wet Clutch with Respect to Various Parameters	Prospects for the use of the Complex of Tribological Researches «TRIB-System»	Modern Gear oil Formulations for Wind Turbine Transmissions	Adhesive wear studies of surface treated carbon fabric polyetherimide composites using Taguchi technique	Preparation of additives as corrosion inhibitors/ antioxidants for high quality emulsifiable oils of metalworking fluids
Tea Break (3.00 pm to 3.15 pm)					
Technical session - IV (3.15 pm to 5.00 pm)					
IV-A : Bearing Tribology – IV	IV-B : Bio Tribology-II	IV-C : Wear Mechanisms-II	IV-D : Contact Mechanics & Friction - II	IV-E : Special topics in Tribology	IV-F : Nano Tribology-II
Venue: Diwan-e-Khas I	Venue: Diwan-e-Khas-II	Venue: Diwan-e-Khas III	Venue: Diwan-e-Aam I	Venue: Diwan-e-Aam II	Venue: Pavilion Heights
TSI914607	TSI914676	TSI914552	TSI914514	TSI914502	TSI914677
Nitin Sharma	Prashant K Sharma,Roel Kuijer	Magnus Heldin, Urban Wiklund	Yu Ju Lin	Wilfried J. Bartz	Sujeet K. Sinha, Prabakaran Saravanan
Isothermal Investigations of a Porous Journal bearing by CFD analysis	An in-vitro model to test cartilage tribology against biomaterials	Scratch testing of wood for mimicking the early stage of the wood defibration	The influence of Poisson's ratio on the adhesive contact between an elastic sphere and a rigid half-space	Tribological Problems in Wind Energy Power Plants and Their Solutions	SU8-PFPE composite for microsystems applications
TSI914633	TSI914621	TSI914615	TSI914600	TSI914657	TSI914592
XU Yong-zhi, XIA Xin-tao	Shubhamita Basu	Prasanta Kumar Padhi, Alok Satapathy	Milan Omasta, Josef FRÝZA, Martin HARTL, Ivan KŘUPKA	Hemant Kumar, S. Vijayaraghavan, Anshuman Dube, M. Shanmugavel, S.K. Albert, B. Babu, A.K. Bhaduri, K.K. Rajan, T. Jayakumar	Prashant Pendyala, M.S.Bobji, Giridhar Madras

The Evaluation of Rolling Bearing Friction Property	Eco-friendly and Performance: Finding the Biohydraulic Fluid with the Right Balance	Tribo-performance Analysis of Coke Crushing Rolls Using Taguchi's Design of Experiment for Optimisation of Sinter Quality	An experimental study of friction and wear in lubricated wheel-rail contact	Design and Development of High Temperature Pin-on-Disc Tribometer for Materials Testing in Liquid Sodium Environment	Evolution of surface roughness in chemical Etching
TSI914571	TSI914700	TSI914651	TSI914602	TSI914616	TSI914649
Eshan Singh, G. D. Thakre, P. K. Arya, B. M. Shukla	Nicholas Randall, Jiri Nohava	Rajesh Kumar, P. C. Mani, P. M. Anil, A. Sethuramiah	E.V. Torskaya, F.I. Stepanov	B.Ravinaik Banoth,Dr. G.V.S.Nageswara Rao,Dr.Deepak kumar Guptha,Dr.Amit Bhattacharjee	Chang-Lae Kim, Dae-Eun Kim
Prediction of useful life of ZrO2 bearings using Monte-Carlo Simulation technique.	Microtribology on soft materials with new instrumentation methods	Chemical wear modelling - its relevance to eco-friendly lubricants	Friction contact of a slider with viscoelastic half-space	The Effect of boron and carbon addition on microstructure and microhardness, tensile properties of high strength Ti-15-3 alloys.	Investigation of Tribological Characteristics of Nanowires Coatings
TSI914630	TSI914673	TSI914623	TSI914525	TSI914505	TSI914613
Sanjay Bhansali, Pradeep Kumar Agrawal, Shivnath Ram, Arindam Gangopadhyay	Anant.C.Kulkarni, D.M.Kulkarni, Deepak H. veeregowda, Anshuman Dube	Mahendra K.V	Biswajit Bera	Mark Alexander, Mark Stone, Mukesh Gupta, J.R. Khona	Chacko Preno Koshy, P K Rajendrakumar, Manu V Thottackkad
An attempt for Green Tribology through Oil Patch Test in conjunction with Ferrography and Wear Debris Analysis	Wear characteristics of X linked UHMWPE material using conventional tribometers and digital light	Application of Flyash Aluminium composites under lubricated wear conditions	Generalized Adhesion Theory of Friction	A New Approach to Improve Thermal Efficiency and Increase Engine Durability - Non Aqueous Radiator Coolants	Analysis of Tribological and Thermo-Physical Properties of Surfactant-Modified Vegetable Oil-Based Cu
Poster Session : 19th Feb, 2014. (9.00 am to 5.30 pm)					
Venue: Lobby outside Diwan-e-Aam					
Sr. No	Abstract No	Name	Session Name	Title	
1	TSI914671	Aranganathan N , Jayashree Bijwe	Automotive Tribology	Cyanate-ester resin as a binder for NAO Friction Material – Studies on influence of amount on tribo-properties	
2	TSI914527	Swarup Paul, Bijan Sarkar, P.K.Bose	Tribology in Renewable Energy	Performance Evaluation and Wear analysis of a Compression Ignition Engine operating with straight vegetable oil and diesel blend	
3	TSI914647	Tetsuzo Hatazawa, Takahisa Kawaguchi	Bearing & Gear Tribology	Performances of needle roller thrust bearing -Effects of raceway texture-	
4	TSI914589	Soma Dalbehera	Bio Tribology	Study on effect of stacking sequence on the tribological property of woven jute-glass fiber reinforced epoxy composite	
5	TSI914711	Chandu S. Madankar, S. N. Naik	Bio Tribology	Green synthesis of biolubricants from castor oil	
6	TSI914684	K N V Subrahmanyam	Condition Based Maintenance System	Ferrography provides an early warning of Machinery Components Abnormal Wear Modes	
7	TSI914521	Manohar Chidurala	Condition Based Maintenance System	CONDITION BASED LUBRICATION PROGRAM USING ULTRASOUND MONITORING TECHNOLOGY	
8	TSI914557	Rishikesh Kumar, Shrikant Bhawe	Condition Based Maintenance System	Reliability of Milling Plant in Thermal Power Stations	
9	TSI914631	Chiranjhan Mandal, R R Prasad, P P Sengupta	Condition Based Maintenance System	Incipient fault detection of rolling element bearing running at slow speed	
10	TSI914632	K. Bandyopadhyay, R.B.Choudhury, C.Mondal, R.R.Prasad, P.P.Sengupta	Condition Based Maintenance System	Application of oil condition monitoring techniques for improving critical equipment availability in steel plant	
11	TSI914639	S.V.Tope, R.S.Pithore, U.Bhattacharjee, Kamal Mukherjee	Condition Based Maintenance System	INVESTIGATION OF REDUCING CAVITATION-EROSION IN ENGINE CYLINDER LINERS OF HIGH CAPACITY HEAVY EARTH MOVING MACHINERY USED IN MINING APPLICATIONS	
12	TSI914654	T. Kalai , R.S. Maurya	Condition Based Maintenance System	Wear debris analysis - A condition monitoring tool (Case Study of Bowl Mills)	
13	TSI914585	Pankaj k Arya, G. D. Thakre, B. M. Shukla, Rajendra Kumar	Lubricants & Additives	Investigation of open source ignition characteristics of hydraulic fluid sprays	

14	TSI914716	Vaibhav V Goud, Venu Babu Borugadda	Lubricants & Additives	Synthesis of bio-lubricant base stock from castor oil using In-situ epoxidation technique
15	TSI914698	Jagadeesh K. Mannekote, Satish V. Kailas, Kathyayini H, Krishna Venkatesh	Lubricants & Additives	Studies on stability and tribological properties of non soap thickener-sunflower oil based greases
16	TSI914717	Naveen K. Pokhriyal, A. K. Harinarain, Thomas P. George, Deepak Saxena, E. Savanna, B. Basu, R. K. Malhotra	Lubricants & Additives	Studies on Friction and Film Formation Properties of Greases
17	TSI914520	P.K.Limaye, Neelima Khare, N.L.Soni, R.J.Patel	Special Topics in Tribology	Reciprocating sliding wear behaviour of SS 13-8 Mo and 17-4 PH under water
18	TSI914519	Neelima Khare, P.K.Limaye, N.L.Soni, R.J.Patel	Special Topics in Tribology	Effects of gamma irradiation on hardness, density and tribological properties of PEEK composite
19	TSI914668	Prof M.Ananth Kumar	Surface Treatment & Coatings	A study on tribological characteristics of plasma CVD DLC coatings in sliding contact
20	TSI914570	G. D. Thakre, Satish C. Sharma, S. P. Harsha, M. R. Tyagi	Tribology in Design & Manufacturing	Effect of surface bumps on the flow behavior of non-Newtonian lubricants in concentrated contacts.
21	TSI914565	Niharika Mohanta, S K Acharya	Tribology in Design & Manufacturing	A study on the potential of luffa cylindrica fiber reinforced polymer composite for tribological applications
22	TSI914569	Shakuntala Ojha, G.Raghavendra, S.K.Acharya	Tribology in Design & Manufacturing	A Comparative Study on Erosion Wear Behaviour of Bio Waste Reinforced Polymer Matrix Composites
23	TSI914579	Gujjala Raghavendra, Shakuntala Ojha, S.K.Acharya, S.K.Pal	Tribology in Design & Manufacturing	Investigation on Mechanical and Tribological Behavior of Novel Hybrid fly ash nano polymer Composite Materials
24	TSI914558	Nathi Ram, Satish C. Sharma	Tribology in Design & Manufacturing	Performance of CFV Compensated Asymmetric Roughened Hole-Entry Hybrid Journal Bearing Lubricated with Micropolar Lubricants
25	TSI914619	S. Rath, A.K. Marik, P.P. Sengupta, S.K.	Tribology in Metalworking	hybrid on-line model
26	TSI914688	M. K. Dubey, R. Mahapatra, N.Sivasurian, J.N.Pandey, A. K. Harinarain, Deepak Saxena, G. K. Acharya, S. S. V. Ramakumar, B. Basu, R. K. Malhotra	Tribology in Metalworking	Prediction of hardenability of alloy steel during quenching with different oils through a correlation analysis
27	TSI914624	Jyotiranjana Ota, S.K. Hait, M.I.S Sastry, S.S.V Ramakumar, B. Basu, R.K Malhotra	NanoTribology	Multi layered Graphene dispersion in hydrocarbon oil: heat transfer and tribological studies
28	TSI914535	Ramesh C.S, Nirupama Mohan, Harsha R Gudi, Pramod	Tribo-Testing	TRIBOLOGICAL STUDIES ON Al6061-SiC/Cf HYBRID COMPOSITES
29	TSI914523	M. Akhondzadeh, M. Fooladi Mahani, M. Rezaeizadeh, S.H. Mansouri	Wear Mechanisms	Theoretical model of the oblique impact wear prediction
30	TSI914614	Prasanta Kumar Padhi, Alok Satapathy	Wear Mechanisms	Fabrication, Characterisation and Wear Performance Evaluation of Polymer ComBlast Furnace Slag Particles as Fillerposites with
31	TSI914625	S K Jha, Sanjeev Kumar, R B Choudhury, K Prakash, D K Jain, R Topno, PP Sengupta	Wear Mechanisms	Study of wear resistance properties of different grades of rail steel
32	TSI914714	Kyoung-Sup Kum, Chang-yeol Oh, Kyu-Chul Han and Young-Ze Lee	Wear Mechanisms	Influence of the solid particles on Wear and friction mechanism of the thermal barrier coating
33	TSI914722	Dharmendra Jain, Satish C. Sharma	Bearing Tribology	Study of Two Lobe Multi-Recessed Hybrid Journal Bearing Operating with Power
34	TSI914723	Durgesh Tripathi	Tribology in Metalworking	DEVELOPMENTS IN CORROSION AND WEAR RESISTING ALLOYS OIL INDUSTRY
35	TSI914725	Henry Brunskill	Tribotesting	Ultrasonic Applications in Tribology
36	TSI914729	Zs. Koncsik, M. B. Maros, L. Kuzsella	Wear Mechanisms	Tribological characterization of MWCNT-reinforced Si3N4 composites
37	TSI914548	Viacheslav N. Khovansky	Tribotesting	Prospects for the use of the Complex of Tribological Researches «ITRIB-System»

20th February 2014

Plenary Session III

(9.00 am to 10.30 am)					
Venue: Diwan-e-Khas Hall					
1) Prof Braham Prakash, Luleå University of Technology, Luleå, Sweden, Gallling in hot sheet forming of high strength steels TSI914720 2) Prof Wilfried Bartz, Technische Akademie Esslingen, Germany, TRIBOLOGICAL MEASURES TO REALIZE THE GREEN AUTOMOBILE TSI914501					
3) Prof Lev Rapoport, Holon Institute of Technology, Israel INORGANIC FULLERENE-LIKE NANOPARTICLES: SUPERIOR MATERIALS FOR ENHANCING LUBRICATION UNDER EXTREME CONDITIONS TSI914517					
Tea Break (10.30 am to 10.45 am)					
Business Meet - II (10.45 am to 12.00 noon) Venue: Diwan-e-Khas Hall					
1) Indian Oil Corporation Ltd 2) Tribosonics, UK					
Lunch (12.00 noon to 12.30 pm)					
Technical Session -V (12.30 pm to 2.15 pm)					
V-A : Bearing Tribology – V	V-B : Tribology in Metalworking-II	V-C : Tribo-Testing-II	V-D : Lubricants & Additives-IV	V-E: Surface Treatment & Coatings-IV	V-F : Nano Tribology-III
Venue: Diwan-e-Khas I	Venue: Diwan-e-Khas-II	Venue: Diwan-e-Khas III	Venue: Diwan-e-Aam I	Venue: Diwan-e-Aam II	Venue: Pavilion Heights
TSI914550	TSI914508	TSI914642	TSI914512	TSI914683	TSI914706
Ram Turaga	J. Heinrichs, F. Gustavsson, M. Olsson, S. Jacobson	Jens Hardell, Sergej Mozgovoy, Anshuman Dube, Mats Oldenburg, Braham Prakash	Richard Baker	A. Cavaleiro , T. Polcar	Karolina Rzepiejewska-Malyska
On the Steady state and Dynamic Characteristics of Tilting pad Journal bearing with Surface Texture	Deformation-activated work material transfer to DLC coatings	A Novel High Temperature Tribometer for Hot Sheet Metal Forming Applications	Towards Improving Fuel Economy through Tribology Testing	High temperature tribological behaviour of protective coatings	Nanomechanical characterization of semi-solid lubricants
TSI914667	TSI914697	TSI914609	TSI914708	TSI914689	TSI914721
Syed Ismail, M Sarangi	P.V. Joseph, A.G Samy, Neelam Agarwal, S.Paul, Shankar Bhadravath, Deepak Saxena, E. Sayanna B. Basu, R.K Malhotra	A. Hausberger, I. Godor, F. Grün, Th. Schwarz	Ravindra Kumar, Veena Bansal, Kavita Rai, A.K.Harinarain, M.B. Patel, B. Basu	Sandar Myo Myint , Myo Minn , N. Satyanarayana , Vincent Beng Chye Tan ,Sujeet K. Sinha , Charanjit S. Bhatia	Bernd Wetzel, Ga Zhang, Nicole Pfeiffer
Influence of Fluid Inertia on the Textured Parallel Sliding Contacts in the Presence of Fluid-Solid Interfacial Slip	Studies on Aluminium Hot Forming Oil Meeting Emerging Requirements	Efficient material development for elastomeric sealing materials via the correlation between tribological model tests and component testing	Diffusion and Relaxation Measurements of Synthetic Lubricants by NMR Spectroscopy	Effects of 3D negative and positive fingerprint Si/SU-8 textures on the tribological properties	Transfer Films for Friction Reduction of Polymer Nanocomposites
TSI914542	TSI914670	TSI914528	TSI914718	TSI914665	TSI914555
Yantao Shang, Xintao Xia, Ming Qiu	P. Pathak, D. Saxena, S. Paul, R. Mahapatra, Ashok Kumar, S.K.Thakur, P.P. Sengupta	Dr A. K. Jain, Vishal Bajpai, Roopak Sharma, Anuj Bhandari	G K Acharya, K A Subramanian, R K Malhotra	Panigrahi D. K, Sarangi M.	Vikram Kumar, Sujeet K. Sinha, Avinash K. Agrawal
Assessment for the quality of rolling bearing parts based on fuzzy theory	Development of rolling oil for roll bite lubrication at Hot Strip Mills	Development of New Transmission oil for Heavy Earthmoving equipment	Impact of soot loading on the rheological and tribological behaviour of diesel engine oil	Effect of Micro Textured Surfaces on Hydrodynamic Lubrication	UHMWPE–CNT/Graphene Polymer Coatings for Boundary Lubrication on Steel Substrates
TSI914560	TSI914662	TSI914617	TSI914652	TSI914687	TSI914591
Mr Sarvanakumar G	Kirankumar P. Jayananda, Anshuman Dube, Amit Ganguly, Deepak H. Veeregowda	P.Mishra, Mandakini Behari	J. E. Johansson, M. T. Devlin, B. Prakash	M Abdul Samad, E Rismani, W M Kwek,C S Bhatia	Manjesh K. Singh, Patrick Ilg, Rosa M. Espinosa-Marzal, Martin Kröger, Nicholas D. Spencer
Damping and Stiffness Characteristics of Grease Based Squeeze Film Damper	Friction and wear of alumina and inconel subjected to variable heating upto 900 deg C	Tribological Behavior of Multi-Walled Carbon Nanotube Reinforced Polymethyl Methacrylate Composite	Additive technology for improved pitting performance of mineral gear oils	Surface modification of the magnetic media – A graded carbon embedding approach	Modelling studies of interacting polymer-brushes under shear
Tea Break (2.15 pm to 2.30 pm)					
Technical session -VI (2.30 pm to 4.15 pm)					
VI-A : Bearing Tribology – VI	VI-B : Lubricants & Additives-V	VI-C : Tribo-Testing-III	VI-D : Gear Tribology	VI-E : Surface Treatment & Coatings-V	VI-F : Tribology in Design & Manufacturing-II
Venue: Diwan-e-Khas I	Venue: Diwan-e-Khas-II	Venue: Diwan-e-Khas III	Venue: Diwan-e-Aam I	Venue: Diwan-e-Aam II	Venue: Pavilion Heights

TSI914588	TSI914608	TSI914567	TSI914655	TSI914553	TSI914653
Harpuneet singh	S.J. Shaffer, H.Benecke, D. Garbark, S. Papanicolaou	G. D. Thakre, Savita Kaul, P. K. Arya, B. M. Shukla	Waldemar Tuszynski Marek Kalbarczyk, Miguel Angel Esparza Lastra, Michal Michalak, Edyta Osuch-Slomka, Jan Wulczynski	Jitendra K. Katiyar, Sujeet K. Sinha	S.R. Durugkar, Sachin S. Ashtekar
An Effect on the performance of worn journal bearing system using JFO cavitated model	Tribological properties of soybean oil-derived bio-based lubricants	Experimental investigation of load bearing capabilities of metal working fluids	Effects of the deposition of low-friction coatings on the teeth of spiral bevel gears	Surface Micromechanical and Tribological Properties of different Coatings on Glass substrate	Preloading Aspects of Rolling Element Bearing – Case Study
TSI914573	TSI914712	TSI914532	TSI914510	TSI914672	TSI914518
Amarnath Kosgi, S.S. Kale, G. Gouda, K. Tamilmani	T. Singh	C.S.Ramesh, R.Noor Ahmed, Wajid Hussain, Wasim Ahmed	A.Johnney Mertens, Nitin S Sarpe. S. Senthilvelan	Nidhi Dureja	Suraj K Behera, Sunil K Sarangi, Trilok Singh
In-situ oil and wear particle analysis as a prognostic tool for condition based health monitoring of military aero-engines	Grease Composition for Rolling Mill Application in Steel Plants	Tribological Studies on hot forged Al 6061-10 wt% TiB2 composite	Performance of PP CNT Composite Gear	Surface tailoring of glass fabric and Polybenzoxazine composites with nano-graphite	Feasibility studies on gas foil journal bearings in small and high speed oil-free cryogenic turboexpander
TSI914530	TSI914681	TSI914586	TSI914568	TSI914641	TSI914563
D Sethi, S K Behera	P. Samanta, P. Shetty, P. Banerjee, T. Kuila .N.C.Murmu	Frederik Wolf	G. D. Thakre, Satish C. Sharma, S. P. Harsha. M. R. Tyagi	CS Ramesh, R Suresh Kumar, G Dilip Maruthi, Java Prakash	S.K.Acharya, Gujjala Raghavendra, S.K.Pal
Hydrodynamic Analysis of Different Textured Profile Thrust Pad Bearing	Tyre Pyrolysis Oil as a Lubricant	Effects of Rheology in Tribology	A study of ionic liquid lubricated elastohydrodynamic gear contact	Study of Dry Sliding Wear behaviour of TiO ₂ -15% Inconel718 Coated on Al6061	A Comparative Study of Mechanical and Tribological Properties of Jute-Glass Epoxy Hybrid Composites Filled By Micro-Nano Alumina Fillers
TSI914693	TSI914522	TSI914597	TSI914618	TSI914549	TSI914611
Sandeep Soni, D.P.Vakharia	Harshal P. Mungse, Om P. Khatri	Arun Sikder, Steve Shaffer	Rahul Meshram, A.H.Zaidi, Sanker Bhadhavath, Ajay Kumar Harinarain , G.K. Acharya, S.S.V. Ramakumar, B. Basu, R. K. Malhotra	Nijanathan Kumar R., Pandurang S. Salunkhe, S. D. Rege, D. D. Nage	Nirmal S Kalsi, Rakesh Sehgal, Vishal S Sharma
Steady state behaviors of an elliptical journal bearing	Lubrication Capabilities of Alkylamine Intercalated Graphene Oxide	High productivity Green Instrumentation for Designing Tribotests	Assessment of factors affecting churning losses and their optimization for improving Energy efficiency of gear oils	Evaluation of alternate to Cadmium plating	Optimization and Modelling of a Process using Cryogenically Treated Tungsten Carbide Cutting Tool inserts in Turning
Conclusion/Valedictory session followed by High Tea Venue: Diwan-e-Khas Hall (4.30 pm to 5.00 pm)					