









Sunday / 07-01-2018				
18:00		PRE-DINNER DRINKS		
19:30		WELCOME DINNER		
Monday / 08-01-2018				
08:30-09:30	Kathryn J. Wahl	Revealing barnacle bioadhesion secrets through in situ interface science		
09:30-10:00	Anand Jagota	How dislocations in shape-complementary soft interfaces control friction and adhesion		
10:00-10:30	Prashant Pendyala	Correlation between adhesion and friction of nanotopographical interactions under varied physico-chemical conditions		
10:30-11:00	COFFEE			
11:00-11:30	Mohammad Divandari	It's all about topology: Evolution of polymer brushes and their performance		
11:30-12:00	Shivprasad Patil	Rheology of nanoconfined water using novel techniques		
12:00-12:30	R. Sahli	Anisotropic contact reduction under shear in rough soft rubber interface		
12:30-14:00	LUNCH			
14:00-15:00	Rowena Crockett	Friction and wear of kinetic art		
15:00-15:30	Andrew J. Gellman	Alloy corrosion across complex composition spaces: Al _x Cr _y Fe _z Ni _{1-x-y-z} in dry and humid air		
15:30-16:30	POSTER PRESENTATION / COFFEE			
16:30-17:00	Sophia A. Rodrigues	Creating polysaccharide-protein complexes to control aqueous lubrication		
17:00-17:30	Kartik S. Pondicherry	Mouthfeel and tribology		
17:30-18:00	Gopakumar Parameswaran	Micro topographic features in an Al-Steel tribosystem and its influence on sliding friction in an oil based lubricated sliding experiment		

	Tuesday/09-01-2018			
08:30-09:30	D. Mazuyer	Microscopic and macroscopic aspects of lubrication regimes transitions		
09:30-10:00	Alexander M. Smith	On the superlubricity of alkanes confined to molecular films		
10:00-11:00	POSTER SESSION / COFFEE			
11:00-11:30	Kenji Sunahara	Shear behavior of engine oil additives under nanoconfinement		
11:30-12:00	N. Nomede-Martyr	Towards green lubrication: Study of tribological properties of moringa oil added with graphite as additives for lubricants		
12:00-12:30	Deepak Kumar	Tribological and rheological behaviour of nano-composite grease		
12:30-14:00	LUNCH			
14:00-15:00	Namrata Gundiah	Mechanics of cutting by insects		
15:00-15:30	R. Simič	Exploring hydrogel surfaces and their mechanical properties		
15:30-16:00	POSTER	R SESSION / COFFEE		
16:00-17:00	Nitya Nand Gosvami	In Situ Method for Nanoscale Tribology of Lubricated Contacts		
17:00-17:30	Juliette Cayer-Barrioz	The effect of unsaturation on friction at the molecular scale		
17:30-18:00	Koji Miyake	New insight on the molecular behavior at the friction interface from in-situ measurement using infrared-visible sum-frequency generation spectroscopy		
18:00-18:30	P. Sudharshan Phani	Wide dynamic range 2-D nanoin- dentation: Friction and partial slip at contacts		
19:30	BANQUET			

Wednesday/10-01-2018			
08:30-09:30	Srinivasan Chandrasekar	Stability of surface plastic flow in sheardeformation of metals	
09:30-10:00	Narayan K. Sundaram	Modeling complex plastic flows in metal tribosystem	
10:00-10:30	Arkadeep Kumar	On the wear of diamond abrasives and effecton surface of silicon wafers	
10:30-11:00	POSTER	SESSION / COFFEE	
11:00-11:30	A. Arcifa	Adsorption of water at the SiO _x / Ionic liquid interface: Consequences for friction and wear.	
11:30-12:00	Keiichi Narita	Applied to automibile transmission fluids	
12:00-12:30	A. Dorgham	Atomic force microscopy rheological and textural mapping of P-based antiwear tribo films	
12:30-14:00	LUNCH		
14:00	SOCIAL EVE	NT and SIGHT SEEING	
	Thursday/11	-01-2018	
08:30-09:30	Mark Robbins	Elastohydrodynamic lubrication and the glass transition: Linking experiment and simulations at high rates and pressures	
09:30-10:00	Meyer Ernst	Sliding of polymeric chains and graphene nanoribbons on Au(111)	
10:00-11:00	POSTER SESSION / COFFEE		
11:00-11:30	Ganapathy Ayappa	Using molecular dynamics simula- tions to determine the presence of glassy states in confined fluids	
11:30-12:00	Günther Krämer	Dynamic shear properties of ionic and nonpolar lubricants in nanometer confinement	
12:00-12:30	Sylvain Hemette	Rubber-Ice friction mechanisms: Multi-physical and multi-scale approach	
12:30-14:00	(2)	LUNCH	

14:00-15:00	Roland Bennewitz	Fingertip friction
15:00-15:30	Mark Rutland	Feeling smooth: Perception, skin tribology and chemistry
15:30-16:30	POSTER SE	ESSION / COFFEE
16:30-17:00	Marina Ruths	Effects of 3D surface patterning on the tribology of human stratum corneum and the topology of a polyurethane skin surface model
17:00-17:30	Anwesha Sarkar	Ultra-low friction coefficients generated using protein microgel properties
	Friday/12-01-	2018
08:30-09:30	M. S. Bobji	Surface texture and friction
09:30-10:00	Yasuhisa Ando	Mesoscale friction measurement of heirar- chical patterns by raster scanning
10:00-10:30	Prabakaran Saravanan	Nanoscale origins to macroscale low friction of polyethylenimine / molybdenum disulphide (PEI/MoS ₂) films in nitro- gen environments
10:30-11:00	(OFFEE
11:00-11:30	Sean O'Shea	Flatplate AFM
11:30-12:00	H.Kawakatsu	Colour atomic force microscopy - tip and relaxation issues
12:00-12:30	Praveena Manimunda	Quantitative nanoscale friction and wear characterization: An in situ SEM and Raman spectroscopic study
12:30-14:00	L	LUNCH