

Program of CIWST 2010

	Time	Contents	Chairs
September 19th (Sunday)			
	9:00-18:00	Registration	Dr. Dameng Liu
	18:00-20:00	Welcome Reception	Prof. Tianmin Shao
September 20th (Monday)			
	8:30-8:40	Opening Remark	
Session IA	8:40-9:20	Keynote Talk The impact of surface texturing on tribology ----- Prof. Izhak Etsion	Prof. Yonggang Meng
	9:20-9:50	Invited Talk Nano-Technology in present and future hard disk drives ----- Prof. Frank Talke	
	9:50-10:10	Coffee Break	
Session IB	10:10-10:40	Invited Talk Progress in fabrication method of surface textures ----- Prof. Tianmin Shao	Prof. Lev Rapoport
	10:40-11:10	Invited Talk Microtexturing for tailoring friction behavior of lubricated steel/ceramic sliding pairs. ----- Prof. Zum Gahr, K.H	
	11:10-11:40	Invited Talk The principles of surface texture design ----- Prof. Stephen M. Hsu	
	11:40-12:10	Discussion Time I	Prof. Pawel Pawlus
	12:10-14:00	Lunch	
Session IIA	14:00-14:30	Invited Talk Dimple pattern design for PDMS with different surface roughness----- Prof. Xiaolei Wang	Prof. Zum Gahr, K.H.
	14:30-15:00	Invited Talk Scaling effect of texturing: from the micro- to the nano-scale ----- Prof. Alberto Rota	
	15:00-15:30	Invited Talk Textured surfaces after machining: measurement, analysis, tribological importance ----- Prof. Pawel Pawlus	
	15:30-15:45	Coffee Break	
Session IIB	15:45-16:15	Invited Talk Multi-scale texturing for improving tribological properties of ceramics under boundary lubrication----- Prof. Shinya Sasaki	Prof. Noritsugu Umehara

	16:15-16:45	Invited Talk The fabrication of carbon-based surface textures and the related enhancement in tribological performance----- Prof. Liping Wang	
	16:45-17:15	Discussion Time II	Prof. Stephen M. Hsu
Poster Session	17:15-18:15	Surface Texturing: an Application in Hard on Hard Bearing Artificial Hip Joints Materials -----Zikai Hua	
		The impact of the cavitation model in the analysis of grooved parallel bearings-----H.F.Wang	
		Tribological behavior of textured TiAlN film by masked deposition-----Ximei Wang	
		Design and fabrication of micro/nano-textures on surface for improving the nano-tribological Performance-----Wenjie Zhao	
		Experimental investigation of lubrication performance of textured surfaces -----Jinyu Zhang	
		Friction properties of laser surface textured nickel-based alloy at elevated temperature -----Jianliang Li	
	18:30-20:30	Banquet	
September 21st (Tuesday)			
Session IIIA	8:30-9:00	Invited Talk Cavitation of oil on textured surfaces and its effect on lubrication performance ----- Prof. Yonggang Meng	Prof. Dong Zhu
	9:00-9:30	Invited Talk Micro texturing of polycarbonate plate with ion beam irradiation and its friction properties in water----- Prof. Noritsugu Umehara	
	9:30-10:00	Invited Talk Running-in control by surface texturing for super-low friction of ceramics in water ----- Prof. Koshi Adachi	
	10:00-10:15	Coffee Break	
Session IIIB	10:15-10:45	Invited Talk Friction and adhesion of solid lubricant films on laser textured surfaces ----- Prof. Lev Rapoport	Prof. Frank Talke
	10:45-11:15	Invited Talk On the lubricating film thickness in a conformal contact of grooved bounding surfaces ----- Prof. Feng Guo	
	11:15-11:45	Discussion Time III	Prof. Ivan Krupka

	12:00-14:00	Lunch	
Session IVA	14:00-14:30	Invited Talk Simulation based virtual texturing ----- Prof. Dong Zhu	Prof. Alberto Rota
	14:30-15:00	Invited Talk The effect of surface texturing on EHD and mixed lubricated non-conformal contacts ----- Prof. Ivan Krupka	
	15:00-15:30	Invited Talk The effect of surface roughness and texturing on the lubrication performance in point contacts ----- Dr. Wenzhong Wang	
	15:30-16:00	Discussion Time IV	Prof. Xiaolei Wang
	16:00-16:15	Concluding Remark	Prof. Izhak Etsion
	16:20-17:30	Laboratory Tour (SKLT)	
	18:00-20:00	Dinner	