

The 1st NU-UM Faculty Workshop on Engineering

March 4 (Mon) and 5 (Tue), 2013

VBL Hall (3F, VBL), Higashiyama Campus
Organized by JUACEP, Nagoya University

Research Presentation

March 4 (Mon)	9:00-9:10	Welcome address: Prof. Yasuo Suzuoki, Dean, Dept. Eng., NU
	9:10-9:30	Introduction of JUACEP: Profs. Yang Ju & Noritsugu Umehara, Leaders of JUACEP, NU
	9:30-9:50	Prof. Noritsugu Umehara, NU “Surface Modification for Ultra Low Friction and Adhesion”
	9:50-10:20	Prof. Albert Shih, UM “Biomedical Devices Design and Manufacturing”
	10:20-10:40	Prof. Tsuyoshi Inoue, UN “Rotor Dynamics of the Rocket Turbopump”
	10:40-11:10	Prof. Gregory Hulbert, UM “Analysis and Design of Microstructural Composite and Structural Topologies with High Stiffness and High Damping”
	11:10-11:30	Dr. Sencer Burak, NU “Advanced Manufacturing Process Development and Precision Control of Machine Tools”
	11:30-12:00	Prof. Jun Ni, UM “Recent Advances in Manufacturing Research”
	12:00-13:30	Reception: Greeting from Prof. Norimi Mizutani, NU
	13:30-13:50	Prof. Toshiro Matsumoto, NU “Level Set-based Topology Optimizations with Boundary Element Method”
	13:50-14:20	Prof. Katsuo Kurabayashi, UM “Biomolecular Sensing and Optofluidic Detection”
	14:20-14:40	Prof. Mitsuhiro Shikida, NU “MEMS Devices Developed in Micromachining and Micromechanics Laboratory”
	14:40-15:10	Prof. Yogesh Gianchandani, UM “An Overview of the Center for Wireless Integrated MicroSensing and Systems”
March 5 (Tue)	9:00-9:20	Prof. Yang Ju, NU “Recent Researches on Material Characterization and Mechanics”
	9:20-9:50	Prof. Jay Guo, UM “Light and Sound: Applications in Biomedical Imaging and Therapy”
	9:50-10:10	Prof. Hosei Nagano, NU “Study on Thermophysical Properties Measurement and Heat Transport Device for Thermal Management”
	10:10-10:40	Dr. John Mansfield, UM “The Art of Microscopy and Microanalysis: Materials Science Analysis of Cultural Heritage Artifacts”

Special Session

March 5 (Tue)	13:30-14:30	The 13 th JUACEP Seminar: Prof. Jun Ni, UM “Overview of the University of Michigan - Shanghai Jiao Tong University Joint Institute”
	14:30-15:00	Free meetup with prospective visiting graduate students
	15:00	Closing