

International Symposium on Micro-Nano Science and Technology 2016

Date : December 16 (Fri.) - 18 (Sun.), 2016

Venue : Hongo Campus, The University of Tokyo (Bunkyo-ku, Tokyo, JAPAN)

■ General Information

Micro-Nano Science & Technology Division in JSME (Japan Society of Mechanical Engineers) promotes academic activities to pioneer novel research topics on microscopic mechanics. The division encourages interdisciplinary studies to deeply understand physical/chemical/biological phenomena in micro/nano scale and to develop applied technologies. Since 2009, past seven symposiums on Micro-Nano Science & Technology have taken place successfully incorporating with the related societies of electronics and applied physics. We have promoted in-depth studies and interactions between researchers/engineers in various fields with more than 150 papers presented at each symposium for the past few years.

Thanks to the previous activities and the great effort of the committee members, the Micro-Nano Science & Technology Division has been recognized as a formal division in JSME. Today we are pleased to announce that the "International Symposium on Micro-Nano Science and Technology 2016" will be held commemorating the foundation of formal division in JSME. We invite original contributions as research papers and look forward to fruitful discussions at Tokyo, Japan.

■ Scope

- Nano Materials and Mechanical Property of Micro/Nano Materials

Nano-carbon, Nano Tubes/Wires, Smart Materials, Fatigue, Standardization of Material Test

- Fluid Mechanics

Measurement/Simulation/Modeling of Micro/Nano Flows, Micro Bubble, Microfluidics, Micro Pump/Valve

- Thermal Engineering

Nano-scale Heat Transfer, Phonon Engineering, Thermal Control Devices, Nanoscale Transport in Fuel Cells

- Lubrication

Micro/Nano-tribology, Nano-liquid Film, Wetting Phenomena, Reliability of Micro/Nano-machine

- Micro-robotics / Micro-mechatronics

Bio-manipulation, Actuator, Positioning, Micro/Nano Technologies for ICT

- Biomedical Engineering

Lab on a Chip, Cell Engineering, Bio-material, Microsystems for Human Diagnostics and Healthcare

- MEMS Technologies

MEMS Fabrication Technologies, Micro Sensors and Actuators, Packaging, Nano-transducers

- Non-MEMS Micro/Nano Fabrication Technologies

Micro/Nano Machining, Surface Modification, Laser Processing, 3D Printing

- Micro Energy

Energy Harvesting, Thin-film Battery, Microscale Combustion, Micro Engine

■ Important Dates

- Abstract Deadline: August 5, 2016

- Acceptance Notification: September, 2016

- Final Paper Submission: October 14, 2016

Contact

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Symposium Web: <http://www.iwaselab.amech.waseda.ac.jp/mnm2016/>

Division Web: <http://www.jsme.or.jp/mnm/index.html>