

機械工学セミナー
Mechanical Engineering Seminar
第8回 No. 8

主催：慶應義塾大学工学部機械工学科
Department of Mechanical Engineering, Keio University



Student Seminar in
Kasetsart University – Keio University
Mechanical Engineering Exchange Program



日時(Date): 2017年11月24日(金) (November 24, 2017 (Fri.)) 13:00~16:00

場所(Venue): 34棟 321室 (Room 321, Building 34)

プログラム(Program)

- 13:00-13:15** Effect of Longitudinal Merging on Thermal Characteristics of Young Turbulent Spot
Ms Sudarat Srichan (Kasetsart University)
- 13:15-13:30** Measurement of the fluctuating pressure in turbulent flow inside the hard disk drives for exploration of flow-induced vibration
Mr Yoshiyuki Sonoda (Keio University)
- 13:30-13:45** Prediction of Thermal Characteristics of Turbulent Spot using Large Eddy Simulation
Mr Warakorn Pichitpreecha (Kasetsart University)
- 13:45-14:00** Break
- 14:00-14:15** Numerical Simulation of a Parallel Plate Particle Separator for Measurement of Charging State of PM2.5
Mr Takuto Yonemichi (Keio University)
- 14:15-14:30** On the Heat Transfer and Friction Factor of Turbulent Water Flow in Rectangular Tube Induced by Low Frequency Ultrasonic Waves
Mr Korpong Viriyananon (Kasetsart University)
- 14:30-14:45** Liquid sloshing in a rotating, laterally oscillating cylindrical container
Mr Yusuke Saito (Keio University)
- 14:45-15:00** Break
- 15:00-15:15** Numerical Modelling of Equivalent Ultrasonic Wave Distribution in Water Flow Domain
Mr Teerapat Thungthong (Kasetsart University)
- 15:15-15:30** Ultrasonic propagation velocity change in MR fluid under AC magnetic fields
Mr. Takeshi Fukumoto (Keio University)
- 15:30-15:45** Numerical Simulation of 24 KHz Ultrasonic Wave Propagation as Jet Flow past a Heating Wire
Mr Warakorn Pichitpreecha (Kasetsart University)
- 15:45-16:00** Ultrasonic cavitation cleaning with varying gas supersaturation in water: Impact of bubble dynamics on cleaning efficiency
Ms Risa Yamauchi (Keio University)