

**Workshop of Monash University and TUAT
(Australia – Japan workshop)**

September 27th 2019, 13:30-17:30

BASE Building, 1st floor, 1st Lecture room (第一講義室)

Based on MOU between Monash university and TUAT on last year,

13:30 Opening remark Prof. Aibing Yu (Monash University)

13:40 Presentation by Australian side (10 min. talk)

1. “Modelling of reacting flows and industry applications: some examples”
Yansong Shen (University of New South Wales)
2. “Modelling and Simulation of Packing and Flow of Ellipsoidal Particles”
Zongyan Zhou (Monash University)
3. “DEM-based models for flow, heat and mass transfer and chemical reactions in gas-solid flows”
Qinfu Hou (Monash University)
4. “Dense Medium Cyclones: from Fundamental Simulation to Process Optimisation”
Jiang Chen
5. Numerical and Experimental Investigation of Aerosolisation and Deposition Process in the Inhalers and Realistic Respiratory Tract
Zhenbo Tong (Southeast University / Monash University)
6. “A comprehensive CFD model for ironmaking blast furnace”
Shibo Kuang (Monash University)

15:00 Coffee break

15:20 Presentation by TUAT

1. Introduction of TUAT, Hidehiro Kamiya
2. Fundamental study of chemically reacting liquid flow and its application to environmental and energy fields
Yu-ichiro Nagatsu
3. Modeling water movement in watersheds, Takashi Gomi
4. Collaboration between Agriculture and Engineering, Wuled Lenggoro
5. Interfacial instabilities in porous media flows, Manoranjan Mishra, JSPS Invitation fellow, TUAT
6. Let’s talk about modeling and simulation in your researches
Mikio Sakai (University of Tokyo)

16:20 Discussion for future collaboration

17:30 Closing