

第2回 レジリエンス工学国際セミナー 2nd International Seminar on Resilience Engineering

主催：レジリエンス工学研究センター 共催：化学システム工学専攻公開セミナー
Hosted by : Resilience Engineering Research Center and Department of Chemical System Engineering

トピックス : Topics

マルチスケール・マルチフィジックスシミュレーション
Multiscale and Multiphysics Simulation

日時 : Date

2017/12/13 13:00 ~ 14:45

場所 : Venue

工学部 8 号館 502 室
Room-502, Faculty of Engineering Building 8

プログラム : Program

13:00 ~ 13:05 Introduction

13:05 ~ 13:55 Lecture 1

Particle shape effect on packing and flow behavior of granular materials
Dr. Zongyang Zhou (Senior Lecturer, Monash University)

Profile :

Dr Zongyan Zhou is a senior lecturer in the Department of Chemical Engineering in Monash University (Melbourne). He has made significant contributions in the following four research directions, including: theoretical developments of a combined approach of CFD-DEM which enables to investigate flow fundamentals at a particle scale for particle-fluid flow systems; CFD-DEM based study on heat transfer fundamentals in particle-fluid flow systems at a particle scale; investigation of packing and flow behaviour of non-spherical particles by newly proposed DEM technique; and application to process modelling in ironmaking process. Some papers are published in very learned journals, including Journal of Fluid Mechanics, AIChE Journal, Chemical Engineering Science, etc. The total sum of times cited without self-citations is more than 1600 (SCI data), and the h-index is 16.



Dr. Zongyang Zhou

13:55 ~ 13:45 Lecture 2

Numerical study of particle-fluid flows: From fundamentals towards industrial applications

Dr. Shibo Kuang (Research Fellow, Monash University)

Profile :

Dr. Shibo Kuang, awarded a PhD in 2009 at Northeastern University of China, joined SIMPAS (Laboratory for Simulation and Modelling of Particulate Systems) as a postdoctoral fellow in 2010 and became a research fellow in 2015 until now. His research is focused on the development and application of discrete- and continuum-based computer models to particle/particle-fluid systems for gaining better process design and control, with special reference to particle transportation and separation as well as reacting flows. Since 2008, he has authored/co-authored over 50 publications, with an h-index of 14 according to Google Scholar.



Dr. Shibo Kuang

連絡先 : Contact

参加するかたは 12/10 までにご連絡ください。
Please make registration by 10th of Dec.

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