

ADCP 2015 Workshop

Advanced Design Concepts and Practice

Hangzhou, China



September 18-20th, 2015

<http://adcp2012.com>



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Academician of the Chinese Academy of
Engineering, Zhejiang University

Prof. Ji Linhong
Tsinghua University

Prof. Michel van Tooren
University of South Carolina

Organizer

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Tsinghua University
Delft University of Technology
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Professor Yongsheng Ma, University of Alberta, Canada
Dr. Zoltan Rusak, Delft University of Technology, the Netherlands

Registration

Early registration: 2500 CNY
On-site registration: 3000 CNY
Student authors: 2000 CNY
Students: 1500 CNY

Contact

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Theme: Knowledge and analysis based designs towards computational and individualized design involving multiple phenomena.

Keynote/Invited Speakers

Speaker	Affiliation	Topic
Prof. Xie You-bai	Academician of the Chinese Academy of Engineering	Four basic laws in design science
Prof. John Gero	University of North Carolina at Charlotte and Krasnow Institute for Advanced Study, George Mason University, USA	Modeling cognitive and social behavior through agents in product design
Prof. Imre Horváth	Head of Section of Cyber-Physical Systems Development, Faculty of Industrial Design Engineering, Delft University of Technology, the Netherlands.	Foundational research in complex technical systems: an initial categorization
Prof. Karthik Ramani	Donald W. Feddersen professor in the School of Mechanical Engineering, Purdue University, USA	The computer as a partner
Prof. Kristin L. Wood	Professor & Pillar head, Engineering & Product Development (EPD), Co-director of the SUTD-MIT International Design Centre (IDC), SUTD - Singapore	Styles and Innovations in Design Research, Education, and Practice
Prof. Michel Van Tooren	Director of the SmartState Center for Multifunctional Materials and Structures (MFMS), Department of Mechanical Engineering, College of Engineering and Computing, Ronald E. McNAIR Center for Aerospace Innovation and Research, University of South Carolina	Design of variable stiffness composite plates with cut-outs using a dual mesh approach
Prof. Peihua Gu	Vice-Chancellor of Shantou University, China	Open adaptable design for facilitating mass innovation
Prof. Hong Jun	Associate Dean of Mechanical Engineering School, Xi'an Jiaotong University, China	A biologically inspired topology optimization method in engineering design
Prof. Tan Runhua	Vice-President of Hebei University of Technology, China	The challenge of research and application of TRIZ in China
Prof. Chen Liping	Mechanical Engineering Department, Huazhong University of Science and Technology, China	Multidisciplinary design modeling and analysis
Prof. Giorgio Colombo	Mechanical Engineering Department, Politecnico di Milano, Italy	Knowledge acquisition in KBE applications and in knowledge engineering
Prof. Ma Yongsheng	Department of Mechanical Engineering, Faculty of Engineering, University of Alberta, Canada	Interdisciplinary engineering informatics for industrial research - a case study in BIM
Dr. Stephen Daniels	Director of the National Centre for Plasma Science and Technology and the academic director for the Sustainable Economies and Societies Research and Enterprise Hubs at DCU, Ireland	Design of systems for contamination detection and control
Dr. Zoltán Rusák	Section of Cyber-Physical Systems Development, Faculty of Industrial Design Engineering, Delft University of Technology, the Netherlands	Enhancing context and user awareness of cyber-physical systems for personalized human system interaction