

Conference Agenda

Tuesday, August 4, 2015				
10:00-11:30	Pre-meeting FPTCI Location: Auditorium -FPTCI head member only			
12:00	Lunch			
13:30-15:30	Meeting of FPTCI Location: Auditorium -FPTCI member only		Lab and museum tour -open to all participants	
16:00-17:30	60 Anniversary of Fluid Control and Automation Department Location: Auditorium -open to all participants		Lab and museum tour -open to all participants	
18:30	Welcome and Celebration Party Location: Restaurant -all participants			
Date: Wednesday, August 5, 2015				
8:30-9:30	Opening of FPM2015 Location: big Auditorium			
9:30-9:50	Coffee break			
9:50-12:00	Keynote speech 1 Location: big Auditorium Chair: Torben O. Andersen, Aalborg University, Denmark			
9:50-10:30	Development of Hydro-viscous Clutch for the Hard Rock Tunnel Boring Machine - Huayong Yang, Zhejiang University, China			
10:30-11:00	New concepts for parallel kinematic mechanisms using fluid actuation -Andrew Plummer, University of Bath, United Kingdom			
11:00-11:30	Research Progress of Chinese Space Robotics -Hong Liu, State Key laboratory of Robotics and Systems, China			
11:30-12:00	Automation and economy of working machines -Kalevi Huhtala, Tampere University of Technology, Finland			
12:00	Lunch			
13:00-14:40	Session A1 Location: Auditorium A Chair: Dacheng Cong	Session B1 Location: Auditorium B Chair: Xin Fu	Session C1 Location: Auditorium C Chair: Bing Xu	Session D1 Location: Auditorium D Chair: Yinshui Liu
14:40-15:00	Coffee break			

	Session A2	Session B2	Session C2	Session D2
15:00-16:40	Location: Auditorium A Chair: Dianrong Gao	Location: Auditorium B Chair: Hua zhou	Location: Auditorium C Chair: Guanglin Shi	Location: Auditorium D Chair: Wei Xiong
13:00-16:40	Lab and museum tour -open to all participants			
18:30	Dinner Location: Restaurant			
Date: Thursday, August 6, 2015				
8:30-10:10	Keynote speech 2 Location: big Auditorium Chair: Howard Zhang, Chief Engineer Parker Hannifin Hydraulics, USA			
8:30-9:10	Connected Industry @ Bosch Rexroth - Lee Shun Kin, Bosch Rexroth China			
9:10-9:40	Introduction to Research on Hydraulic Steering Unit for Heavy Track Vehicles -Guangming Zhou, Science and Technology on Vehicle Transmission Laboratory, China			
9:40-10:10	Energy consideration and saving technology in pneumatic systems - Toshiharu Kagawa, Tokyo Institute of Technology, Japan			
10:10-10:30	Coffee break			
10:30-12:00	Keynote speech 3 Location: big Auditorium Chair: Long Quan, Taiyuan University of Technology, China			
10:30-11:00	Rectangular Tabs for Elliptic Jet Control - E Rathakrishnan, Indian Institute of Technology Kanpur, India			
11:00-11:30	Advantages and Challenges of Electro-Hydrostatic Linear Driven Actuators - Zongxia Jiao, Beihang University, China			
11:30-12:00	Usge of Module-Element Method in Problems of Hydroelasticity for Composite Systems “Ship-Liquid” - Nicolai. A. Taranukha, Komsomolsk-na-Amure State Technical University,Russia			
12:00	Lunch			
	Session A3	Session B3	Session C3	Session D3
13:00-14:40	Location: Auditorium A Chair: Wanqi Ma	Location: Auditorium B Chair: Kato Tomonori	Location: Auditorium C Chair: So-Nam Yun	Location: Auditorium D Chair: Wataru Kobayashi
14:40-15:00	Coffee break			
	Session A4	Session B4	Session C4	Session D4
15:00-16:20	Location: Auditorium A Chair: Daniel Beck Roemer	Location: Auditorium B Chair: Hongzhou Jiang	Location: Auditorium C Chair: Qingjun Yang	Location: Auditorium D Chair: Liang Ding
16:20-17:00	forum :10000 Science Difficult Problems-Manufacturing Area Location: Auditorium A Chair: Bing Xu, Zhejiang University, China			
13:00-16:40	Lab and museum tour			

	-open to all participants			
18:30	Award Party Location: Volga Park			
Data: Friday, August 7, 2015				
8:30-10:10	Session A5 Location: Auditorium A Chair: Songlin Nie	Session B5 Location: Auditorium B Chair: Chifu Yang	Session C5 Location: Auditorium C Chair: Yaobao Yin	Session D5 Location: Auditorium D Chair: Maolin Cai
10:10-10:30	Coffee break			
10:30-12:10	Session A6 Location: Auditorium A Chair: Yasuhiro Matsuda	Session B6 Location: Auditorium B Chair: Liang Yan	Session C6 Location: Auditorium C Chair: Christian Noergaard	Session D6 Location: Auditorium D Chair: Hao Liu
8:30-12:00	Lab and museum tour -open to all participants			
12:10	Lunch			
13:00-14:30	Keynote speech 4 Location: big Auditorium Chair: Yutaka Tanaka, Hosei University, Japan			
13:00-13:30	Design and Testing of Fluid Power Driven Mechatronic Machines in Immersive Virtual Environments - Heikki Handroos, Lappeenranta University of Technology, Finland			
13:30-14:00	Mathematical Modeling of the Electro-hydraulic Actuation Systems of the Machines with Tree-like Kinematic Structure - Stanislav E. Semenov, Bauman Moscow State Technical University			
14:00-14:30	Hydraulic and Pneumatic Systems for Hydroelectric and Wind Power Plants - Victor Juliano De Negri, Federal University of Santa Catarina, Brazil			
14:30-14:50	Coffee break			
14:50-16:00	Keynote speech 5 Location: big Auditorium Chair: Baoren Li, Huazhong University of Science & Technology, China			
14:50-15:20	Research of Multi-function Testing Systems - Junwei Han, Harbin Institute of Technology, China			
15:20-16:00	The Sensitivity Analysis and Control Method of Hydraulic Drive Unit for Quadraped Robot - Xiangdong Kong, Yanshan University, China			
16:00-16:30	Closure of FPM2015			
18:30	Farewell Party Locate: Songhua river tour			