

Prometech Simulation Conference 2014

AM		Hall A & B			
9:30 - 10:00	Open				
10:00 - 10:05	Opening address	Katsuya HASEGAWA Project Professor, Office of Innovation and Entrepreneurship Division of University Corporate Relations The University of Tokyo			
10:05 - 10:45	Invited lecture	We think about the future Japan's Monodzukuri -New aspect of Manufacturing enabled by Information Technology- Kazuo Iwano Principal Fellow Center for Research and Development Strategy, Japan Science and Technology Agency			
10:45 - 10:50	Break time				
10:50 - 11:30	Presentation	The Computational Reality -Prometech's vision and strategy for next-generation simulation technologies- Toshimitsu Fujisawa CEO Prometech Software, Inc.			
11:30 - 12:00	Special Lecture	Manufacturing of the world and CAE from the view point of multibody dynamics Professor, Department of Mechanical Engineering, Kyung Hee University Board member and founder of FunctionBay, Inc. Jinwhan Choi			
12:00 - 12:10	Guest speaker	Shota Hattori CEO KOZO KEIKAKU ENGINEERING Inc.			
12:10 - 13:30	Lunch time				
PM		Session1: Hall A		Session2: Hall B	
13:30 - 14:00	Particleworks Lecture A1	Numerical Analysis of Spray Water Flow in Steel Making Process Norimasa Yamasaki Head of Dept. Mechanical Engineering Div. Plant Engineering and Facility Management Center, Nippon Steel & Sumitomo Metal Corporation	Particleworks Lecture B1	Prediction of an optimal condition for large-scale Euglena (microalgae) culture using computational fluid dynamics analysis Kengo Suzuki Director, General Manager R&D Department euglena Co., Ltd	13:30 - 14:00
14:00 - 14:30	Particleworks Lecture A2	Debris flow simulation on the debris flow breaker by Particleworks Ikeda Hajime Subsection Chief KITAC CORPORATION	Particleworks Lecture B2	Numerical visualization of physical properties of food during swallowing with 3-dimensional swallowing simulator "Swallow Vision" Tetsu Kamiya Manager of Ingredient Development Group Food Technology Research Laboratories R&D Division Meiji Co., Ltd.	14:00 - 14:30
14:30 - 14:45	Break time			14:30 - 14:45	Break time
14:45 - 15:15	Introduction of New Version	Particle-based simulation software for CAE "Particleworks New version 6.0" Issei MASAIE, Corporate Officer, Software Development Manager Mikio YAMANOI, Engineering Dept. Prometech Software, Inc.		14:45 - 15:15	GPU Lecture 1
15:15 - 15:45	Particleworks Lecture A3	Application examples of Particleworks for development of Transmission and Transfer Case for Automobiles Naohiro Fujita Information Technology System Sec. Information Management Dept. UNIVANCE CORPORATION	Particleworks Lecture B3	Flow Analysis in compression molding with high viscosity resin by Particleworks -Discussion on the effect of analysis parameters- Yoh-ichi Shiina Manager SEKISUI Engineering Co., Ltd.	15:15 - 15:45
15:45 - 16:00	Break time			15:45 - 16:00	Break time
16:00 - 16:30	Introduction of Technical	Application of Simple Coupling Technique using Particleworks & LS-DYNA for Product Development Sunao Tokura Technical Adviser, Prometech Software, Inc. President, Tokura Simulation Research Corporation	Particleworks Lecture B4	Prediction of polymer pellets compression behavior by DEM and plasticization analysis by DEM-MPS interaction method Hideki Tomiyama Manager The Japan Steel Works, LTD. Hiroshima Research Laboratory	16:00 - 16:30
16:30 - 17:00	Particleworks Lecture A4	Activities for Particle Method Utilization in DENSO Tsuyoshi Hattori Project Assistant Manager Digital Engineering Dept., Engineering R&D center, DENSO CORPORATION	Particleworks Lecture B5	Process design for bio-oil production utilizing Particleworks Sou Hosokai Researcher National Institute of Advanced Industrial Science and Technology	16:30 - 17:00
17:00 - 17:10	Break time			17:00 - 17:10	Break time
17:10 - 17:50	Keynote Speech	Frontier of computer simulation using particle methods Seiichi KOSHIZUKA Professor Department of Systems Innovation, Graduate School of Engineering The University of Tokyo		17:10 - 17:50	GPU Keynote Speech
17:50 - 17:55	Closing address	Congratulations on the 10th anniversary of Prometech Software, Inc. Dr. Genki Yagawa Emeritus Professor at University of Tokyo and Toyo University, Past President of International Association for Computational Mechanics(IACM), and Honorary advisor of Prometech Software, Inc.		17:50 - 17:55	Closing address
18:00 - 19:30	Reception				

GPU Computing Workshop for Advanced Manufacturing

Room 501