

Forum "Math-for-Industry" 2015

-The Role and Importance of Mathematics in Innovation-  
October 26 to 30, 2015, IMI Auditorium, Kyushu University Ito Campus, Fukuoka, Japan

October 26, 2015		October 27, 2015		October 28, 2015		October 29, 2015		October 30, 2015	
Registration		Registration		Registration		Registration		Registration	
Session Chair		Session Chair		Session Chair		Session Chair		Session Chair	
9:30 -		9:45 - 10:35		9:45 - 10:35		9:45 - 10:35		9:45 - 10:35	
Registration		Registration		Registration		Registration		Registration	
Session Chair		Session Chair		Session Chair		Session Chair		Session Chair	
Osamu Saeki		Ryuei Nishii		Naoyuki Kamiyama		Yoshihiro Mizoguchi		Konrad Polthier	
10:15 - 10:25		10:40 - 11:25		10:40 - 11:15		10:40 - 11:25		10:40 - 11:25	
Opening Ceremony		Aleksandar Staykov iCNER, Kyushu University Application of the Non-equilibrium Green's Function Method in the Design of Nanoscale Electronic Devices		Manish Jain Armorway Inc. Game-Theoretic Allocation of Limited Resources: Applications to Security Domains		Marcel Jackson La Trobe University Algebraic Foundations for Program Logics		Rafael López Universidad de Granada Capillary Surfaces Modeling Liquid Drops on Wetting Phenomena	
10:30 - 11:20		11:45 - 12:30		11:20 - 11:55		11:45 - 12:30		11:45 - 12:30	
Gaven Martin Massey University New Approaches to the Modelling of Highly Elastic Media		Tak Nishida Intec Innovative Technologies USA, Inc. Internet-of-Things, Big data, and Entropy		Kotaro Ohori FUJITSU LABORATORIES LTD. The Role of Mathematical Technologies in Social System Design: An Interdisciplinary Approach to Complex Social Problems		Kazushi Ahara Meiji University Basic Research for the Patient-Specific Surgery Support System -An Identification Algorithm of the Mesentery Using 3D Medical Images-		Tae Hyun Rhee Victoria University of Wellington Deformable Human Body Modeling from 3D Medical Image Scans	
COFFEE BREAK		COFFEE BREAK		Akifumi Kira IMI, Kyushu University Our Challenges to Real-Time Disaster-Recovery Scheduling		COFFEE BREAK		COFFEE BREAK	
11:45 - 12:30		12:30 - 12:45		12:30 - 19:00		11:45 - 12:30		11:45 - 12:30	
Vitaly Shumeiko Chalmers University of Technology Parametric Effects in Quantum Electrical Circuits and Applications to Quantum Information		Dmitry Znamenskiy Philips Research On 3D Scanning Technologies for Respiratory Mask Design		Excursion with Lunch		Peter Höfner NICTA and UNSW Using Process Algebra to Design Better Protocols		Marcio Gameiro University of São Paulo Persistent Homology and Applications	
LUNCH		Notice of & Invitation to APCMfi LUNCH		Kirill Morozov		LUNCH		LUNCH	
Session Chair		Session Chair		Session Chair		Session Chair		Session Chair	
Tomoyuki Shirai		Kenji Kajiwara		Philip Broadbridge		Philip Broadbridge		Philip Broadbridge	
14:00 - 14:50		14:55 - 15:40		14:55 - 15:40		14:00 - 14:50		14:00 - 14:45	
Nguyen Huu Du Vietnam Institute for Advanced Study in Mathematics Dynamic Behavior of Kolmogorov Systems Perturbed by Noise		Takashi Suzuki Osaka University Mathematical Oncology and Applications		Mary Myerscough University of Sydney Why Do Hives Die? Using Mathematics to Solve the Problem of Honey Bee Colony Collapse		Arnab Roy Fujitsu Laboratories of America Relational Hash		Graham Weir Wellington, New Zealand The Mathematics describing Two Phase Geothermal Fluid Flows: Quantifying Industrial Applications and Innovations	
14:55 - 15:40		16:00 - 17:00		16:00 - 17:00		14:55 - 15:40		14:50 - 15:25	
Takayuki Osogami IBM Research - Tokyo Human Choice and Good Choice		Young Researcher Session Laura Karantgis Steady Saturated-Unsaturated Water Flow in a Sloping Domain and its Application to Landslides Kentaro Okamoto Zeta Function Associated with the Representation of the Braid Group Yuichiro Yasui Fast, Scalable, and Energy-Efficient Parallel Breadth-First Search		Excursion with Lunch		Takenobu Seito Bank Japan Cryptography and Financial Industry		Dimetre Triadis Australia Branch, IMI, Kyushu University Leveraging Progress in Analytic Groundwater Infiltration for New Solutions in Industrial Metal Solidification	
COFFEE BREAK		COFFEE BREAK		Excursion with Lunch		COFFEE BREAK		COFFEE BREAK	
16:00 - 18:00		17:00 - 18:00		16:00 - 16:35		16:00 - 16:35		15:45 - 16:30	
Poster Session PHOTO		Poster Session Voting		Pierluigi Cesana Australia Branch, IMI, Kyushu University New Models for the Space-Time Evolution of Martensitic Microstructure		Poster Session Award Ceremony PHOTO		Matthew Simpson Queensland University of Technology Why are Scratch Assays Difficult to Reproduce?	
18:00 - 19:30		18:00 - 19:30		19:00 - 21:00		19:00 - 21:00		19:00 - 21:00	
Welcome Party (Snack & Beverages) & Poster Viewing		Welcome Party (Snack & Beverages) & Poster Viewing		Banquet		Banquet		Closing	
AGORA		AGORA		AGORA		AGORA		AGORA	