

INTERNATIONAL WORKSHOP ON M2M TECHNOLOGY 2011

Time : Monday, October 31, 2011 – Tuesday, November 1, 2011

Place : National Taiwan University Lin Ze Hall Conference Room

DAY 1: Monday, October 31, 2011

Session	Subject	Time
Reception		08:30 - 09:00
Opening & Welcome Remarks	Opening Speech Director Liang-Gee Chen, National Taiwan University	09:00 - 09:10
Future Computing For M2M Chair: Dr. Yen-Kuang Chen, Intel Corp. Intel-NTU Center	Keynote Speech: Will interconnect help or limit the future of computing Dr. Shekhar Y. Borkar, Intel Fellow	09:10 - 10:00
	Keynote Speech: Towards Radio Computer Prof. Robert Bogdan Staszewski, Delft University of Technology	10:00 - 10:50
Break		10:50 - 11:10
M2M Healthcare Chair: Prof. Yi-Ping Hung, Intel-NTU Center National Taiwan University	Keynote Speech: Wireless Health: New Technology, Industry, and Fundamental Healthcare Advances with M2M Solutions Prof. William Kaiser, University of California, Los Angeles	11:10 - 12:00
	Lunch	12:00 - 13:20
Energy Harvesting & Energy Saving for M2M Chair: Prof. Shey-Shi Lu, Intel-NTU Center National Taiwan University	Keynote Speech: Piezotronics for Interfacing Biomechanical Actions with CMOS Prof. Zhong Lin Wang, Georgia Institute of Technology	13:20 - 14:10
	Invited Talk: Design of an Energy-Efficient Temperature Sensor for M2M Prof. Tsung-Hsien Lin, Intel-NTU Center, National Taiwan University	14:10 - 14:40
Break		14:40 - 15:00
M2M Communications Chair: Prof. Kwang-Cheng Chen, Intel-NTU Center National Taiwan University	Keynote Speech: A Broader View of Cooperation In Wireless Networks Prof. Antony Ephremides, University of Maryland	15:00 - 15:50
	Keynote Speech: Internet of Nano-things Prof. Ian Akyildiz, Georgia Institute of Technology	15:50 - 16:40
M2M Cloud Computing	Keynote Speech: Proactive Cloud Computing – Serving 50 billion Devices and Beyond Dr. Wen-Hann Wang, Vice President, Intel Corp.	16:40 - 17:30
Welcome Dinner		18:00 - 19:30

DAY 2: Tuesday, November 1, 2011

Session	Subject	Time
Reception		08:30 - 09:10
M2M Data Source, Analysis & Management Chair: Prof. Jane Hsu, Intel-NTU Center National Taiwan University	Keynote Speech: Privacy-Utility Tradeoffs for Data Sources Prof. Vincent Poor, Princeton University	09:10 - 10:00
	Keynote Speech: Architectural Overview of Context Analysis and Management for M2M and IoT Dr. Yun Wang, IBM Fellow	10:00 - 10:50
Break		10:50 - 11:10
M2M Platform Chair: Prof. Yao-Wen Chang Intel-NTU Center National Taiwan University	Keynote Speech: A Vision on Energy Efficient HW/SW Platforms for High-Performance Embedded Solution Prof. Gerhard Fettweis, Technische Universität Dresden	11:10 - 12:00
	Lunch	12:00 - 13:20
M2M Applications Chair: Prof. Li-Chen Fu, Intel-NTU Center National Taiwan University	Keynote Speech: Disruptive Technologies for the future generation of multifunctional smart systems Dr. Peter Lemmens, Deputy General Manager, IMEC Taiwan	13:20 - 14:10
	Invited Talk: Practical Issues in Designing Large-scale Data Mining Systems Prof. Shou-De Lin, Intel-NTU Center, National Taiwan University	14:10 - 14:40
	Invited Talk: M2M Perception for RoboCup and Connected Vehicles Prof. Chieh-Chih Wang, Intel-NTU Center, National Taiwan University	14:40 - 15:10
	Invited Talk: Extend the safety shield - an early warning system for vehicles Prof. Hsin-Mu Tsai, Intel-NTU Center, National Taiwan University	15:10-15:40
Break		15:40 - 15:50
Panel Discussions Moderator: Prof. Chih-Kung Lee, President, Institute for Information Industry	“ The Future of M2M ”	15:50 - 17:00
M2M Demonstration	Overview of M2M Demonstrations Wireless Monitoring and Control: M2M-based Ecological Monitoring System, Prof. Joe-Air Jiang ,Intel-NTU Center, National Taiwan University Mushroom Story Public Art: An Application of M2M	17:00 - 17:50

	<p>Prof. Su-Chu Hsu, Taipei National University of the Arts Prof. Chih-Yung Chang, Tamkang University Smart Medication Systems using M2M Technologies Prof. Yao-Joe Yang, National Taiwan University RoboCup Standard Platform League Demonstration Game Prof. Chieh-Chih Wang, Intel-NTU Center, National Taiwan University Development monitor platform using GPS and communication technology for bridge safety Prof. Hui-Ping Tserng, National Taiwan University</p>	
	<p><i>Demonstration Tour</i></p> <p>A Rule-based Mixed Mobility Model for Cars and Scooters Prof. Hsin-Mu Tsai, Intel-NTU Center, National Taiwan University Energy-efficient Smart Appliance Control System based on Energy-Prone Contexts Prof. Li-Chen Fu, Intel-NTU Center, National Taiwan University RoboCup Standard Platform League Demonstration Game Prof. Chieh-Chih Wang, Intel-NTU Center, National Taiwan University Wireless Monitoring and Control: M2M-based Ecological Monitoring System Prof. Joe-Air Jiang, Intel-NTU Center, National Taiwan University Mushroom Story Public Art: An Application of M2M Prof. Su-Chu Hsu, Taipei National University of the Arts Prof. Chih-Yung Chang, Tamkang University Smart Medication Systems using M2M Technologies Prof. Yao-Joe Yang, National Taiwan University Development monitor platform using GPS and communication technology for bridge safety Prof. Hui-Ping Tserng, National Taiwan University</p>	17:50 - 18:40
Banquet Dinner		19:00 - 20:30



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