

September 27, 2018

Venue: Saigon Grand Hotel, 8 Dong Khoi Street, District 1, Ho Chi Minh city

IWMS 2018 PROGRAM

The preliminary time schedule

September 27: Workshop at Saigon Grand Hotel Venue: 8 Dong Khoi Street, District 1, Ho Chi Minh city	
07:45 - 08:30	Registration
08:30 - 08:40	Opening speech by Prof. Huynh Thanh Dat & Prof. Le Hoai Quoc, Chairman of IWMS 2018
08:40 - 08:50	Welcome remarks by VIPs
08:50 - 10:20	Plenary session – MEMS/ Sensors for Safe and Friendly City Session chairs: Prof. Le Hoai Quoc and Prof. Susumu Sugiyama
08:50 - 09:15	How to integrate IoT (Internet of Things) into Vietnam society while viewing social situations - Prof. Jun Fujimoto
09:15 - 09:40	Silicon and Silicon Carbide MEMS: from Research to Industry - Prof. Dao Viet Dzung
09:40 - 10:25	Sensors for Sustainable Infrastructure - Dr. Takayuki Ishizuka
10:25 - 10:50	Tea break
10:50 - 12:10	Session 1: MEMS/Sensors Packaging Technology and Applications Session Chair: Dr. Ryutaro Maeda
10:50 - 11:10	Condition monitoring of pumps in utility infrastructure using piezoelectric MEMS - Prof. Toshihiro Itoh
11:10 - 11:30	Collaborative experiences in countermeasures against the eutrophication of Lake Biwa: the development of advanced environmental policies and technologies in Shiga prefecture, Japan - Dr. Toshiaki Kagatsume
11:30 - 11:50	Market and Technology Trends of Electronics Packaging in Japan - Dr. Hitoshi Sakamoto
11:50 - 12:10	Neuromorphic devices and miniaturization packaging technologies for IoT applications - Dr. Hiroyuki Mori
12:10 - 13:30	Lunch time

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13:30 - 14:50	Session 2: Design, Simulation and Fabrication MEMS Devices Session Chair: Prof. Toshihiro Itoh
13:30 - 13:50	MEMS-based Piezoresistive Force Sensors for Measuring and Controlling Droplet Dynamics - Dr. Nguyen Thanh Vinh
13:50 - 14:10	Nanomechanical Sensors towards IoT Olfactory Sensor System - Dr. Huynh Thien Ngo
14:10 - 14:30	Formulation of a Geometrically Nonlinear Finite Element Model of a MEMS-Based Piezoresistive Pressure Sensor Operating in the Low-Pressure Range - Dr. Maxime Projetti
14:30 - 14:50	Influence of environmental conditions on the dynamic performances of MEMS cantilever resonators - Dr. Nguyen Chi Cuong
14:50 - 15:10	Tea break
15:10 - 16:30	Session 3: Advanced Materials and Emerging MEMS Devices Session Chair: Prof. Dao Viet Dzung
15:10 - 15:30	Thermoelectric properties of ZnO materials - Prof. Phan Bach Thang
15:30 - 15:50	Hybrid organic-inorganic nanocomposites based on resistive switching memories - Dr. Pham Kim Ngoc
15:50 - 16:10	The structural study of thermoelectric generator (TEG) and their application in the charging battery - Prof. Nguyen Van Hieu
16:10 - 16:30	MEMS Design & Technology activity at the Camus of the Autonomous University of Barcelona – Prof. Jordi Carrabina
16:30 - 16:50	Round Table Discussion (Prof. Jordi Carrabina, Dr. Takayuki Ishizuka, Dr. Dao Viet Dzung, Prof. Phan Bach Thang, Prof. Nguyen Van Hieu, Prof. Dong F. Wang) Moderator: Dr. Maxime Projetti
16:50 - 17:00	Closing Ceremony: Prof. Susumu Sugiyama