

First Announcement and Call for Papers – IWMST 2012

The International Workshop on Modern Science and Technology 2012 will be hosted by The University of Electro-Communications (UEC). Since the first IWMST held at HEU in 2000, this conference has provided forum for researchers to present recent research and its results on advanced science and technology, to exchange up-to-date technical knowledge and experiences, and to share their views on research and development. The IWMST 2012 aims to continue this successful partnership.

DATES August 30 - 31, 2012

VENUE The University of Electro-Communications, Tokyo, Japan

Organized and Hosted by

The University of Electro-Communications, Tokyo, Japan

In Cooperation with

Harbin Engineering University (HEU), China

Kitami Institute of Technology (KIT), Japan

Wuhan University of Science and Technology (WUST), China

Chin-Yi University of Technology (NCUT), Taiwan



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1. General Information

Language

The official language is **English**. All papers should be written in English and all presentation should be carried out in English.

Registration

Only on-site registration is available at the registration desk on Aug. 30 and 31, 2012. All conference attendees including speakers must register and pay the registration fee (3,000 JPY for students and 10,000 JPY for others), which covers the proceedings and the banquet.

2. Submission of Papers

Authors are requested to submit a 300-word text-based abstract in English that includes:

- ✓ Title of the paper
- ✓ Name(s) and affiliation(s) of the authors(Please mark the speaker)
- ✓ email address, telephone number and fax number of the author(s)
- ✓ One or two categories of the topics of your interest.

All papers will be reviewed by at least two referees. The criteria will include the accuracy and originality of ideas. Accepted papers will be printed in the proceedings of the IWMST 2012, which will be available at the conference. Acceptance for presentation will be notified by the end of May.

Abstract should be submitted online at the following URL, not by post or email.

<http://www.fedu.uec.ac.jp/iwmst/>

The deadline for submission is **May 11, 2012**. All the announcements, including the detailed information regarding submission of the manuscripts for the proceedings, will be available on this site in order.

3. Important Dates

Deadline for abstracts	May 11, 2012
Notification of Acceptance	May 31, 2012
Deadline of final manuscripts for proceedings	July 13, 2012
Welcome party	Evening of August 30, 2012
Registration and workshop	August 30-31, 2012

4. Topics

Topics of interest are not limited, but the followings are especially welcome.

Information Science and Engineering

Fundamental Theories, Computer Architecture and Hardware, High Performance Computing, Data Engineering, Programming Techniques and Languages, Software Engineering, Web, Ubiquitous/Cloud Computing, Artificial Intelligence, IT and Society, Language Processing, Multimedia, Security, Machine Learning / Data Mining, Entertainment Computing, Learning, Optimization, Agent, Simulation, Soft-Computing and Others

Communication Engineering

Networking, Internet, Optical and Wireless Networks and Systems, Communication and Network Theory, Computer Communication, Network Management and Control, Communication Applications, Network Software, Network Security, Space Communication, Communication Devices, Evaluation Technologies, and Others

Electrical Engineering and Electronics

Electric Materials and Process, Electronic Materials, Semiconductor Technology, Power System and Energy, Smart Grid/Community, Circuits and Systems, Information and Control Systems, Electronics, Electrical Machines, Power Electronics, Electric Vehicle, Sensor and Micro-machines, and Others

Intelligent Systems and Control

Adaptive Control, Nonlinear Control, Optimal Control, Robust Control, Intelligent Control Systems, Neural Network, Mechatronics, Robotics, Guidance and Flight Control Systems, Process Control, Measurement and Signal Processing, Modeling and System Identification, State Estimation, and Others

Materials Science and Bioscience

Functional Materials including Nanomaterials, Carbon Materials, Photovoltaic Materials, Photonic Materials, Corrosion, High strength materials, Superlight Materials, Macromolecular Materials, and Biomaterials, Intelligent Materials, Metastable Materials, Environmental Materials, Bioimaging, Natural Resources, and Others

Energy and Environment

Solar Energy, Biomass Char, Fuel Cell, Renewable Energy, Methane Gas, Green House Gas, NO_x, SO_x, Natural Gas Hydrate, Marine Mineral Deposits, Environmental Pollution, Sustainability, Life Cycle Assessment, and Others

Infrastructure Engineering

Structural Engineering, Structural Materials, Civil Engineering Materials, Fracture and Damage Mechanics, Basic Mechanics, Structure Reliability, Urban and Transportation Engineering, Structure Earthquake-resistance Capability, Geotechnical and Geoenvironmental Engineering, Hydraulic Engineering, Cold Regions Technology, Glaciology, and Others

5. Committee

Organizing Committee

Co-Chairs:

- UEC Makoto KAJITANI
- HEU Zhigang LIU
- KIT Koichi AYUTA
- WUST Kong Jianyi
- NCUT Kun-Sheng CHEN

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- HEU Lin ZHAO, Guisheng YIN
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Program Committee

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- UEC Haruo ISHIKAWA, Toshio OKAMOTO
- HEU Ye YANG
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Members:

- UEC Akihiko OHSUGA, Keiki TAKADAMA, Eiji OKI, Kazushi NAKANO, Takashi KIDA, Shigeo HAYASHI, Tsutomu YOSHINAGA
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- KIT Junji TAMURA, Takashi YOSHIDA
- WUST Gang XU, Qiuxin LIU
- NCUT Yu-Shu CHIEN, Wen-Yuan CHEN

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7. Direction to UEC

