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Sponsored by:



Institut Teknologi Bandung
• Faculty of Mathematics & Natural Sciences
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• School of Electrical Engineering & Informatics,
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Technically Co-Sponsored by:



• IEEE EMB Society
• IEEE Indonesia - EMBS Chapter
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Supported by:

- Center for Instrumentation Technology and Automation (CITA)
- Center for Health Technology and Sport Science (CHTSS)
- Indonesian Data Mining Society (IndoDM)
- Research Center on Information and Communication Technology, ITB
- Indonesian Instrumentation Society (HMII)

Aims

The conference will highlight recent and significant advances in research and development in the field of **instrumentation, measurements, communications, information technology and biomedical engineering**.

It will cover all aspects of theory and practice of metrology, measurement technologies, instrumentation, communications, information technology and biomedical engineering. The scope will include, but is not limited in theory, implementation, and application of the topic below.

Venue

Bandung is the capital city of West Java and it is one of the best tourist objects in Indonesia. Situated on the plateau in the beautiful Parahyangan Mountains with the pleasant climate. A social and culture program during the conference will provide the possibility to visit tourist objects surrounding Bandung, such as volcano, hot spring water, tea plantation and historical building.

Scope of Topics

Signal Processing & Communication

- Data Acquisition,
- Analog and Digital Signal Processing,
- Compressive Sensing
- Imaging and Image Processing
- Pattern recognition,
- Neural and Fuzzy Technologies,
- System Identification and Control,
- Communication Networks,
- Wireless Comm.: RF and IF,
- Power Line Comm.

Theory & Design

- Control Theory,
- Communication Theory,
- Bioinformatics,
- Modeling and Simulation,
- Sensor and Actuator Design,
- Physical and Chemical Effects,
- Biosensor & Design,
- System Design,
- Self Test and Built-in Test,
- Fault Tolerance and Diagnosis,
- Integrated and Intelligent Systems,
- Micro systems,
- Innovative Concept.

Systems & Applications

- Automobiles Applications,
- Flight Applications,
- Space Sciences,
- Manufacturing Automation,
- Process, Manufacturing and Control,
- Reactor Safety,
- Automated test & Measurement,
- Autonomous Systems,
- Robotic,
- Intelligent Building,
- Biomedical Applications,
- Biomedical Engineering Instrumentation,
- E-Health, Tele-Health & Telemedicine,
- Biomechanics & Rehabilitation Engineering.

Submission Guidelines

Authors are requested to submit via homepage (icici-bme.itb.ac.id) a full paper of 5-6 pages in English. The detail paper format can be downloaded from the conference home page. The abstract should include a list of 5 keywords. Accepted paper will be published in the ICICI-BME 2011 proceedings that **will be included in IEEEExplore**.

Selected papers will be published in one of the following journals:

- Journal of eHealth Technology and Application,
- International Journal of E-Health and Medical Communications (JEHMC),
- ITB journal on ICT,
- ITB Journal on Engineering,
- ITB Journal on Science,
- Indonesian Journal of Physics.

Within your paper please indicate as follows:

- The title of Paper on the top of Abstract,
- The Author's name (underline the name of the speaker),

Important Date & Deadline

Full paper submission :
~~June 25, 2011~~ August 21, 2011

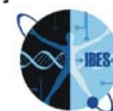
Acceptance notification :
September 12, 2011

Final submission :
September 24, 2011

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Special Event in Bali:
November 10 - 13, 2011

Organized by:



Indonesian Biomedical
Engineering Society

