



SUMMARY REPORT

IEEE R-10 COLLOQUIUM AND THIRD INTERNATIONAL CONFERENCE ON INDUSTRIAL AND INFORMATION SYSTEMS

8th~10th DECEMBER 2008

INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR, INDIA



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IEEE
REGION 10

IEEE R-10 Colloquium and Third International Conference on Industrial and Information Systems (ICIIS 2008)

Date: 8th - 10th December, 2008

Venue: Indian Institute of Technology, Kharagpur, India.

As the world faces the risk of global financial crisis and industrial recession, new technology and innovations would play a key role in tiding over the crisis. With the phenomenal growth in communication, real-time processing and machine intelligence, the time has come when everything needs to be integrated to increase industrial productivity and efficiency in the coming years. With this dream in our mind, we have chosen the theme of “Real time communicative intelligence for tomorrow’s industries” in the third IEEE International Conference on Industrial and Information Systems (ICIIS-2008) was held at Indian Institute of Technology, Kharagpur, India during December 8 – 10, 2008. Along with this conference, 2008 IEEE Region 10 Colloquium was organized on 9th December, 2008, where world renowned researchers have been invited as speakers. ICIIS-2008 is the third event in the series beginning with ICIIS-2006 hosted at University of Peradeniya hosted by IEEE Sri Lanka Section. ICIIS-2006 attracted good international participation and it was felt that it should be developed as a SAARC regional event. With that in view, ICIIS-2007 was co-organized by IEEE Sri Lanka Section and IEEE Kharagpur Section at University of Peradeniya, Kandy, Sri Lanka.

1. Invited Paper Presentations

The ICIIS2008 has invited several prominent researchers from around the world to present invited papers. A number of world renowned researchers have confirmed their participation as invited speakers.



1. “Digital Microfluidic Biochips: Design and Testing”

Prof. Bhargab Bikram Bhattacharya

Indian Statistical Institute (ISI)
Kolkata, India



2. “Approaches to Design Intent Verification”

Prof. Partha Pratim Chakrabarti

Indian Institute of Technology (IIT)
Kharagpur, India



3. "Model-Mismatch Instability in Adaptive Control Systems"
Prof. Michael G. Safanov
University of Southern California
USA



4. "Light Electric Vehicles"
Prof. Guisepppe Buja
University of Padova
Italy



5. "Computational Structure of Correlative Type Higher Order Neural Units with Applications"
Prof. Madan M. Gupta
University of Saskatchewan
Canada



6. "Human-Computer Interaction"
Prof. Anirudha Joshi
Indian Institute of Technology (IIT)
Bombay, India



7. "Decision Support Systems for Improving the Quality of Medical Care "
Dr. Biswadip Ghosh
Metropolitan State College of Denver
USA

2. Invited Dialogues in Colloquium

IEEE Region 10 Colloquium was took place during the ICIS-2008. The following topics were discussed in the Colloquium.



1. "High Power High Performance Industrial Drives- A Technology Status Review"

Prof. Ajit K. Chattopadhyay

Bengal Engineering and Science University
Sibpur, India



2. "Future Internet Design- Restructuring the Internet Economy"

Prof. Ashwin Gumaste

Indian Institute of Technology (IIT)
Bombay, India



3. "Distributed Streaming Data Processing in Sensor Networks"

Prof. Bhabani P. Sinha

Indian Statistical Institute (ISI)
Kolkata, India



4. "System of Systems- Innovations for 21st Century "

Prof. Mo Jamshidi

The University of Texas
USA

3. Areas covered in the conference

Papers have been invited in English, under four major topics. Those interesting topics can be categorized as

- I. Communication and Information Systems Engineering
- II. Computer Systems Engineering
- III. Control, Robotics and Motion Control
- IV. Power Systems, Energy Systems and High Voltage Engineering

4. Conference statistics











4.1 Details of paper acceptance

Through a thorough process each paper was revised and only the outstanding papers were accepted to maintain the quality of the conference.

Number of abstracts received	540
Number of papers accepted	265
Number of papers rejected	275
Number of papers presented	182

4.2 Country wise breakdown of paper submission

Researchers around the world gathered in ICIS-2008 to present their research work and share their knowledge.

	Country	Number of Papers
	Bangladesh	1
	Canada	1
	India	156
	Iran	1
	Italy	3
	Japan	1
	Sri Lanka	13
	United Kingdom	2
	USA	4

5. Cultural Evening

The team from “Kalamandalam” presented a dance performance which was choreographed in “Bharat-Natyam”.



6. Co-Sponsors, Donors, Financial

The organizing committee of ICIS-2008 would like to thank, to the organizations that have sponsored the conference and made the event a success. The main sponsored bodies are,

1. IEEE Region10



2. Damodar Valley Corporation, India



3. Board of Research in Nuclear Sciences, Department of Atomic Energy, Govt. of India



7. Contact Us:

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