

CISIM 2011

10th International Conference on

Computer Information Systems & Industrial Management Applications

THEME: AGENT BASED COMPUTING AND ITS
APPLICATIONS

<http://www.mirlabs.org/cisim11/>

Email: cisim2011@gmail.com

Organized by:



Department of Computer Science & Engineering
University of Calcutta
Kolkata, India, December 14-16, 2011

Proceedings in



CISIM 2010 IS TECHNICALLY SPONSORED BY



Cooperating Institutions

- Muroran Institute of Technology, Japan
- University of Silesia, Poland
- Nagaoka University of Technology, Japan
- VSB-Technical University of Ostrava, Czech Republic
- Silesian University of Technology, Poland
- IPI PAN Polish Academy of Sciences, Warsaw, Poland
- Machine Intelligence Research-MIR Labs, USA
- University of Technology and Life Sciences, Poland
- Suwon University, Korea
- Hanbat National University, South Korea
- Bialystok University of Technology, Poland

Conference Organization

Honorary Chairs

- Ryszard Tadeusiewicz, Poland
- Subhansu Bandyopadhyay, India

Conference Chairs

- Khalid Saeed, Poland
- Ajith Abraham, USA
- Vaclav Snasel, Czech Republic

Steering Committee

- Rituparna Chaki, India, **Chair**
- Aditya Bagchi, India
- Samiran Chattopadhyay, India
- Tetsuo Hattori, Japan
- Andrzej Mitras, Germany
- Pavel Moravec, Czech Republic
- Romuald Mosdorf, Poland
- Gerald Schaefer, UK
- Debadutta Sinha, India

Publicity Chairs

- Amlan Chakrabarti, India
- Piotr Porwik, Poland
- Katarzyna Wegrzyn, France
- Sanjit K Setua, India

Special Events Chair

- Samiran Chattopadhyay, India

Local Organizing Committee

- Sankhayan Choudhury, India, **Chair**

- Amlan Chakrabarti, India
- Soumava Das, India
- Shilbhadra Dasgupta, India
- Kashinath Dey, India
- Sourav Ghosh, India
- Sudhindu Bikash Mandal, India
- Suparno Moitra, India
- Soumya Sen, India
- Sanjit K. Setua, India
- Soharab Hossain Shaikh, India

Objective and Topics

The 10th International Conference on Computer Information Systems and Industrial Management Applications (CISIM 2011) with its focus on *Agent based Computing and Its Applications* strives to present a multidisciplinary research forum for researchers across the globe. The goal of this conference is to bring together researchers and practitioners from academia and industry to focus on advanced concepts in biometrics, secure and agent based computing, and industrial management, and establishing new collaborations in these areas.

The topics on which papers are being requested include but are not limited to:

A. Biometric Security and Multi-media Analysis

Multimedia Content Representation and Reasoning.
Classification and indexing of multimedia information objects.
Multimedia security & Protection
Multimedia in Mobile & Ambient systems
Security and reliability assessment for Biometric systems
Biometric standards and interoperability
Derivation of cryptographic keys from biometrics
Biometric performance Management

B. Agent based computing

Agents & Service Science
Agent-based system development
WWW & Semantic Web Agents
Agent based Simulations
Agent Communications

C. Security & Trust

Authentication and Access Control
Intrusion Detection, Prevention & Response
Key Management and Cryptographic Protocols
Network Security
Operating System Security
Web Security

D. Industrial Applications

Advanced Analytics

Application Areas (Government, Finance, Telecommunications, Home and Personal Computing, Retail)

Business Process Engineering and Execution Support

International Program Committee

- Nabendu Chaki, India, **Co-Chair**
- Ryszard S. Choraś, Poland, **Co-Chair**
- Agostino Cortesi, Italy, **Co-Chair**
- Slawomir Wierzchoń, Poland, **Co-Chair**
- Waleed Abdulla, New Zealand
- Ajith Abraham, USA
- Marwan Al-Akaidi, UK
- Raid Al-Taher, Trinidad & Tobago
- M. Sami Ashhab, Jordan
- Piotr Augustyniak, Poland
- Aditya Bagchi, India
- Anna Bartkowiak, Poland
- Sukriti Bhattacharya, Portugal
- Uma Bhattacharya, India
- Leon Bobrowski, Poland
- Rituparna Chaki, India
- Amlan Chakrabarti, India
- Yuehui Chen, China
- Young Im Cho, Korea
- Nabanita Das, India
- Rajib Das, India
- Rajat De, India
- Nilse Enlund, Sweden
- Gisella Facchinetti, Italy
- Roger Allan French, USA
- Makoto Fukumoto, Japan
- Marina Gavrilova, Canada
- Tetsuo Hattori, Japan
- Petri Helo, Finland
- Dusan Husek, Czech Republic
- Huneong Sun Hwang, Korea
- Akira Imada, Belarus
- Rikhsi Isaev, Uzbekistan
- Kenichi Itakura, Japan
- Swietlana Januszkiewicz, Canada
- Kevin Jia Jiancheng, USA
- Li Jinping, China
- Shan-Shan Ju, Taiwan
- Urszula Kaczmarska, Poland
- Masayosi Kamijo, Japan
- Nam-Gyu Kang, Japan
- Ihor Katernyak, Ukraine

- Dong Hwa Kim, Korea
- Soon Kon Kim, Korea
- Leonid Kompanets, Ukraine
- Marek Kurzynski, Poland
- Juliusz L. Kulikowski, Poland
- Halina Kwaśnicka, Poland
- Hyun Chang Lee, Korea
- Young Jae Lee, Korea
- Ji Hyung Lim, Korea
- De Silva C Liyanage, Brunei
- Kurosh Madani, France
- Ajith P. Madurapperuma, Sri Lanka
- Witold Malina, Poland
- Andrzej Mitas, Poland
- Romuald Mosdorf, Poland
- Ambjorn Naeve, Sweden
- Katsuko T. Nakahira, Japan
- Koichi Nakayama, Japan
- Nadia Nedjah, Brazil
- Nobuyuki Nishiuchi, Japan
- Yoshifumi Okada, Japan
- Minetada Osano, Japan
- Mirosław Owoc, Poland
- Ewa Pietka, Poland
- Piotr Porwik, Poland
- Jay Rajasekera, Japan
- Jerzy Rutkowski, Poland
- Rauf Kh. Sadykhov, Belarus
- Khalid Saeed, Poland
- Handri Santoso, Japan
- Sugata Sanyal, India
- Anirban Sarkar, India
- Gerald Schaefer, UK
- Franciszek Seredyński, Poland
- Ki Sang Song, Korea
- Akira Shionoya, Japan
- Wladyslaw Skarbek, Poland
- Bogdan Smolka, Poland
- Vaclav Snašel, Czech Republic
- Marian Srebrny, Poland
- Athula Sumathipala, UK
- Ryszard Tadeusiewicz, Poland
- Muneyuki Unehara, Japan
- Nguyen Van Hop, Thailand
- Toru Yamaguchi, Japan
- Lin Zhang, China
- Jin Zhou, China

Important Dates

- Proposal for special sessions/workshops: June 15
- Paper submission: June 29
- Notification to Author: August 05
- Registration and camera ready deadline: September 10
-

Submission and Proceedings

Authors are invited to submit papers for the conference by June 29, 2011. Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference. The conference proceedings will be printed by **Springer** in the Communications on Computer and Information Science (CCIS) out of the Heidelberg, Germany. The paper must be prepared according to the Springer CCIS format:

<http://www.springer.com/series/7899>

Both regular (6 pages) and short (4 pages) papers for oral presentations are accepted.

Please submit your papers using the Easy Chair submission system <https://www.easychair.org/conferences/?conf=cisim2011> After at least two positive peer-to-peer reviews, all accepted papers are published in the conference proceedings.

A number of selected papers will be published in their extended versions by: IJBM - International Journal of Biometrics <http://www.inderscience.com/ijbm> and IJCISIM - International Journal on Computer Information Systems and Industrial Management Applications.

Registration and Fellowship

Conference Fees are €300 and includes Conference Proceedings, Working Lunch, Coffee Breaks and Welcome Dinner.

Limited number of Industry and Government sponsored fellowships would be offered for student authors and participants from Indian Academia. More details on the fellowship benefits and the procedure for application would be announced soon.

Previous Conferences

- CISIM 2010 Poland <http://www.mirlabs.org/cisim10/>
- CISIM 2009 India <http://www.mirlabs.org/cisim09/>
- CISIM 2008 Czech <http://arg.vsb.cz/cisim/>
- CISIM 2003-2007 Elk, Poland <http://private.wsfiz.edu.pl/mosdorf/cisim07/>