

1) CONFERENCE SCOPE AND OBJECTIVES

INCoS-2010 covers the latest advances in intelligent and adaptive solutions for social networks and collaborative systems that lead to gain competitive advantages in business and academia scenarios.

The ultimate aim is to stimulate research that will lead to the creation of responsive environments for networking and, at longer-term, the development of adaptive, secure, mobile, and intuitive intelligent systems for collaborative work and learning. Industry and academic researchers, professionals and practitioners are invited to exchange their experiences and present their ideas in this field.

The conference is **technically sponsored by IEEE SMC Society, MIR Labs, and IEEE Computer Society Greece Chapter.**

Topics of main interest include (but not restricted to):

- Internet applications that shift to an emergent Web paradigm, which locates people at the very center of networks and exploits the value of people's connections and relations.
- Web 2.0 and its major role to enable a new generation of social networks and web-based communities.
- Social network analysis as a rapidly growing field to investigate the dynamics and structure of intelligent Web-based networking and collaborative systems.
- Virtual campuses and organizations that strongly leverage intelligent networking and collaborative systems by a great variety of formal and informal electronic relations (business-to-business, peer-to-peer and many types of online collaborative learning interactions).
- Latest and powerful technologies based on Grid and Wireless (Mobile) infrastructure as well as Cloud computing.
- Design and evaluation of Collaborative and Networking applications seen from various challenging perspectives, such as: effective and efficient knowledge management, context and user modelling techniques, exploitation of semantic web technologies, powerful adaptive solutions, design of personalized environments, dynamic formats of information shared among peers and full support for virtual communities of practice (organization, management, mobility and security).

2) CONFERENCE FORMAT

The conference will comprise invited talks, plenary sessions (oral presentations), a panel session, workshops/tutorials, poster presentations and PhD forum.

3) PROCEEDINGS

The INCoS-2010 proceedings will be published by **IEEE Conference Publishing Service** in the form of CD-ROM with ISBN, and will be accessible on-line.

4) POST-CONFERENCE PUBLICATIONS: SPECIAL JOURNAL ISSUES & EDITED BOOKS

Authors of selected papers will be invited to submit their work in two edited volumes by Springer and Special Journal Issues.

(visit the conference web site for updated information, <http://incos2010.web.auth.gr>).

5) KEYNOTES

- Prof. *Erol Gelenbe*, Imperial College London, UK
- Prof. *Nikolaos Avouris*, University of Patras, Greece
- Prof. *Leonard Barolli*, Fukuoka Institute of Technology (FIT), Japan

6) PANEL Discussion

"Intelligent cooperative systems: from nature inspired to social inspired approaches"

Chair Panelist: Prof. *Janusz Kacprzyk*, Systems Research Institute, Polish Academy of Sciences, Fellow of IEEE, IFSA

7) WORKSHOPS

1. Second International Workshop on Machine Intelligence for Geographic Information Systems (MIGIS 2010) (<http://arg.vsb.cz/MIGIS2010/Default.aspx>)

Chair: *Jiří Dvorský*

2. Third International Workshop on Information Network Design (WIND 2010) (<http://www.ndrc.kyutech.ac.jp/WIND2010/>)

Chair: *Mario Koeppen*

3. Second International Workshop on Adaptive Systems for Collaborative Learning (IWASCL-2010) (<http://mlab.csd.auth.gr/iwascl2010/>)

Chair: *Stavros Demetriadis*

4. Computational Intelligence in Networks and Systems (CINS'10)

(<http://www.derby.ac.uk/computing/cins10>)

Chairs: *Richard Hill, George Exarchakos*

8) TUTORIALS

– "Computational Challenges with Cliques, Quasi-Cliques and Clique Partitions in Networks"

Organizer: *Panos Pardalos*, Distinguished Professor and University of Florida Research Foundation Professor

– "Intelligent Tools for Networking and Collaborative Learning"

Organizer: *Santi Caballet Llobet*, University of Cataluna, Spain

- "Creating, Sharing and Reusing Online Collaborative Pedagogy"

Organizers: *Miky Ronen*, Professor & *Dan Kohen-Vacs*, Holon Institute of Technology, Israel

9) PhD Forum

The PhD Forum is an opportunity for PhD students to present their ongoing dissertation and to discuss their research with experts in academia and industry.

The INCoS-2010 PhD CfP is available from <http://incos2010.web.auth.gr/phd.html>

10) CONFERENCE TRACKS

The main topics of interest of INCoS 2010 are organized in the following track areas:

- Intelligent networking for virtual organizations and campuses
- Intelligent networking for social networks
- Intelligent collaborative systems for work and learning
- Security, organization, management and autonomic computing for intelligent networking and collaborative systems
- Grid and P2P distributed infrastructure for intelligent networking and collaborative systems
- Wireless and sensor systems for intelligent networking and collaborative systems
- Data mining and knowledge management for intelligent networking and collaborative systems
- Collaborative Healthcare Systems: Issues, Solutions, and Trends

SPECIAL TRACKS

- Special track for Networking and Collaboration at School (educators' track)
- Special track for Networking and Collaboration for People with Special Needs

11) SUBMISSION

Submitted papers should be original and contain contributions of theoretical, experimental or application nature, or be unique experience reports.

Papers must be submitted no later than ~~*** June 28th, 2010 ***~~ ***** July, 7th, 2010 ***** and electronic submission in PDF is required (see webpage of conference for details, <http://incos2010.web.auth.gr/submission.html>).

- The page limit for a Conference track paper is 8 pages.
- Workshop papers are limited to 6 pages.
- PhD Forum papers limit: 4 pages.
- Poster papers limit: 2 pages.

All accepted submissions (regular, workshop, poster, PhD forum paper) will be included in the proceedings of the conference.

All submissions should be in the IEEE 8.5 two-column format (see webpage of the conference for guidelines).

All accepted papers must be accompanied by a full paid registration by at least one of the authors in order to be included in the proceedings.

12) ORGANIZATION

After its kick-off in Barcelona, Spain (<http://www.uoc.edu/symposia/incos2009>) the 2nd INCoS will be held in Thessaloniki, Greece (<http://incos2010.web.auth.gr/venue.html>) a city with rich culture and history, second major economic, industrial, commercial and political centre in Greece.

Organized by: Aristotle University of Thessaloniki, Greece & University of Macedonia, Greece

13) IMPORTANT DATES

- ~~June 28, 2010 Paper Submission~~ **Extended Deadline: JULY, 7th, 2010**
- July 31, 2010 Notification of Acceptance
- September 20, 2010 Camera-Ready Submission
- September 20, 2010 Conference Registration
- November 24-26 2010, INCoS Conference days

14) COMMITTEES

- General Chairs

Fatos Xhafa, Birkbeck, University of London, UK

Andreas Pombortsis, Aristotle University of Thessaloniki, Greece

Vassilios Dagdilelis, University of Macedonia, Greece

- Programme Committee Chairs

Stavros Demetriadis, Aristotle University, Thessaloniki, Greece

Nik Bessis, Bedfordshire University, UK

- International Co-Chairs

Rafael Calvo, University of Sydney, Australia

Angelique Dimirakopoulou, University of Aegean, Greece

Yannis Dimitriadis, University of Valladolid, Spain

Frank Fischer, University of Munich, Germany

Maria Grigoriadou, University of Athens, Greece

Stefanos Gritzalis, University of Aegean, Greece

Lakhmi C. Jain, University of South Australia

Janusz Kacprzyk, Polish Academy of Sciences, Poland

Charalampos Karagiannides, University of Thessaly, Greece

Kinshuk, Athabasca University, Canada

Mario Koeppen, Kyushu Institute of Technology, Japan

George Magoulas, Birkbeck University of London, UK

Panos Pardalos, University of Florida, USA

Simos Retalis, University of Piraeus, Greece

Michaela Ronen, Holon Institute of Technology, Israel

Demetrios Sampson, University of Piraeus, Greece

Maya Satratzemi, University of Macedonia, Greece

Vaclav Snasel, VSB-Technical University of Ostrava, Czech Republic

Christine Solomonidou, University of Thessaly, Greece

Hideyuki Takagi, Kyushu University, Japan

Albert Zomaya, University of Sydney, Australia

– Workshop Chairs

Youakim Badr, INSA, Lyon, France

Santi Caballe, Open University of Catalonia, Spain

Thrasyvoulos Tsiatsos, Aristotle University of Thessaloniki, Greece

– PhD Forum Chairs

Thanasis Daradoumis, Open University of Catalonia, Spain

George Palaigeorgiou, Aristotle University of Thessaloniki, Greece

– Proceedings Chairs

Ajith Abraham, Machine Intelligence Research Labs (MIRLabs), USA

Ioannis Manolopoulos, Aristotle University of Thessaloniki, Greece

– Steering Committee Chairs

Fatos Xhafa, Birkbeck, University of London, UK

Ajith Abraham, Machine Intelligence Research Labs (MIRLabs), USA

Stavros Demetriadis, Aristotle University, Thessaloniki, Greece

– Track Chairs

> Hamamache Kheddouci, Université Claude Bernard Lyon 1, France

(Chair: - Intelligent networking for social networks)

> Saif Elnaffar, UAE University, United Arab Emirates

(Chair: Intelligent networking for virtual organizations and campuses)

> Kyparisia Papanikolaou, National and Kapodistrian University of Athens, Greece

(Chair: Intelligent collaborative systems for work and learning)

> Xavier Vilajosana, Open University of Catalonia, Spain

(Chair: Wireless and sensor systems for intelligent networking and collaborative systems)

> Pilar Herrero, Technical University of Madrid, Spain

(Chair: Grid and P2P distributed infrastructure for intelligent networking and collaborative systems)

> Vaclav Snasel, VSB-Technical University of Ostrava, Czech Republic

(Chair: Security, organization, management and autonomic computing for intelligent networking and collaborative systems)

> Nikos Manouselis, Greek Research & Technology Network, Greece

(Chair: Data mining and knowledge management for intelligent networking and collaborative systems)

> Wathiq Mansoor, American University in Dubai, UAE (co-Chair) and

> Zakaria Maamar, Zayed University, United Arab Emirates (co-Chair)

(Collaborative Healthcare Systems: Issues, Solutions, and Trends)

> Charalambos Karagiannides, University of Thessaly, Greece (co-Chair) and

> Demetrios Sampson, University of Piraeus, Greece (co-Chair)

(Special track for Networking and Collaboration for People with Special Needs)

> Tharennos Bratitisis, University of Western Macedonia, Greece

(Chair: Special track for Networking and Collaboration at School (educators' track))

- Committee Members: for full committee list please refer to
- <http://incos2010.web.auth.gr/committees.html>