

I2TS 2010 SYMPOSIUM - CALLS FOR CONTRIBUTIONS

Authors are encouraged to submit their contributions for presentation. All submissions are subject to refereeing process and only works written in english will be published in hard copy proceedings. All works accepted will be published in CD.

Keynote – One keynote session by invited researcher will approach theme from different perspectives in information technology and telecommunication areas. Keynote speakers will be announced in the I2TS 2010 home page.

English or Portuguese Full Papers – These include the final accomplished research results and must have 8 pages (5000 words) at the maximum. The three best works will be classified and they receive the I2TS certificates as the Golden English/Portuguese Track, Silver English/Portuguese Track and the Bronze English/Portuguese Track. The papers written in english will be published in hard copy; and the full proceedings (with papers in Portuguese) will be published in CD-ROM.

English or Portuguese Position Papers – For researches in progress, position papers can be

submitted and should not exceed 4 pages. These are composed reports and must have 4 pages, a short paper of 2500 words at maximum.

Tutorials – Tutorials can be proposed by researchers, master or doctorate students. Tutorial proposals must contain at maximum 1 page (625 words).

Posters – These contain work in progress and must be 1 page (625 words) in banner format with dimensions specified for the event. Posters can be proposed by the authors or proposed by the TPC. Posters will be published in the CD conference proceedings in a dedicated tool and poster sessions, respectively.

TOPICS FOR I2TS 2010 SYMPOSIUM

(Full Papers, Position Papers, Tutorials and Posters)

TELECOMMUNICATION AND WIRELESS NETWORKS

- Digital Communication
- Digital Television Systems and Applications,
- Signal Processing for Communications.
- Communication Theory.
- Optical Networks.
- Cognitive Radio and Cognitive Networks.

- Quality of Service.
 - Performance Modeling and Evaluation.
 - Communications Software, Services and Applications.
 - MIMO Systems, Multicarrier Systems.
 - Cooperative Coding / Network Coding- Other Areas in Communications.
 - Telecommunication Political, 3G Technologies.
 - Wireless Communications.
 - Wireless Networks: Standards, Mobile Ad Hoc, Mesh Networks, Sensor Networks,
- Wireless
- Multimedia, Wireless WANs.
 - Security and Privacy, Applications and Case Studies.
 - Mobile Computing.

COMPUTER NETWORKS, REAL TIME and DISTRIBUTED SYSTEMS

- Self-Organizing and Autonomic Computing
- Real-Time and Systems Embedded
- Multimedia Systems, Quality of Service, Network Planning, Management, Control and
- Performance Monitoring
- Collaborative Virtual Environments
- Overlay Networks, Next Generation Networks
- Parallel and Distributed Systems, Distributed, Distributed Algorithms and Architectures
- Distributed Operating Systems, Distributed Data Management
- Protocols for Large-Scale Distributed Systems
- Distributed Simulation: Large Scale Distributed Interactive Simulation
- Clusters, Clouds and Grid Systems.
- Service Level Management
- Peer-to-Peer Systems
- RNP Projects in Brazil

INFORMATION SECURITY

- Information Security: Electronic Documents, PKI
- Network Security and System Security.
- Computational Forensics and Tools.

- Security and Privacy, Applications and Case Studies.

PERVASIVE AND UBIQUITOUS COMPUTING

- Ubiquitous Computing (architectures, modeling, ubiquitous software, context aware computing, environment simulation, privacy).
- Ubiquitous Software Engineering

INFORMATION TECHNOLOGY

- Web-Based Intelligent Systems (architectures, programming models, tools)
- Internet Computing and Applications
- Data Mining Applications
- Cloud Computing Applications
- Future Internet Design
- IT Service Management
- Predictive IT Analytics
- Applications and Case Studies

I2TS 2010 ACADEMY OR SPONSOR CORPORATE SHOWCASES - CALLS FOR CONTRIBUTIONS

Academy or Sponsor Corporate Showcases – In this year we are proposing the integration of academy and enterprises. The former enables academy to present the recent developments and applications and their future directions. The second enables companies to present their recent developments and applications and company's products and services showcases. There will be a time slot for companies to make their presentations in a room. For additional details please contact the publicity chair. Proposals for these sessions must have 2 pages (1250 words).

Lectures – Sessions approaching themes in information technology or telecommunication areas.

Tools – These contain implementations or work in progress and must have 4 pages (2500 words) at maximum. The tool itself will be exposed at the event. Computers will be available for demonstrations during the presentation.

Workshops – Important and recent themes are chose and can be organized in telecommunication and computer science research.

Shortcourses – Advanced or undergraduate half-day shortcourses can be offered in I2TS 2010.

Academy Research Projects – Laboratories of universities can show their research projects

Innovative Technology Research and Development – Development and research in innovative technologies of reference centers can be presented in I2TS 2010.

TOPICS FOR ACADEMY OR SPONSOR CORPORATE SHOWCASES

Free Software

- Tools
- Systems and Applications
- Job Market

Databases Research and Data Mining applied to telecommunications Intelligent Systems

- Agent Applications
- Languages
- Pattern Recognition
- Expert Systems
- Genetic Algorithms

Telemedicine and Information Systems and Medical Applications Bioinformatics and Technologies

Information Technology for Education
Computer Graphics and Visualization
Enterprise Research and Development for Innovative Technologies