



ITNG 2012

9th International Conference on Information Technology- New Generations

April 16-18, 2012, Las Vegas, Nevada, USA

www.itng.info

Proceedings to be published by the CPS.

Track Proposal Deadline: Sept. 9, 2011, Submission Deadline: Oct. 21, 2011

General Chair

Shahram Latifi, Professor
ECE Dept, UNLV

Email: latifi@itng.info

Program Committee

Ahmed Abukmail, USA

Kohei Arai, Japan

Nader Bagherzadeh, USA

Allen Chang, Taiwan

Narayan Debnath, USA

Vieira Dias, Brazil

Mohammad Eyadat, USA

Wening Feng, Canada

Ray Hashemi, USA

Hanmin Jung, Korea

Joerg Laessig, Switzerland

James McCaffrey, USA

Qurban A Memon, UAE

Nader Mohamed, UAE

Jagadeesh Nandigam, USA

Jesus Ubaldo Quevedo, USA

Yenumula Reddy, USA

Inci Saricicek, Turkey

Mehrdad Sharbaf, USA

Shantaram Vasikarla, USA

Xiaolong Wu, USA

Qiang Zhu, China

Publicity Committee

TBA

Keynote Speakers

The conference features three keynotes. The emphasis specially is on presentations which address global issues governing information technology as opposed to those related to detailed and specific technical contributions. If you wish to nominate someone as an ITNG keynote speaker, please contact the General Chair.

Exhibit Opportunities

The ITNG will have an Exhibition area for corporations or individuals who wish to display and promote their products, technology, or services. Efforts will be made to provide maximum exposure and advertising. Exhibit space is limited. For further information or to reserve a place, please contact the General Chair.

Theme

The International Conference on Information Technology- New Generations (ITNG) is an annual event focusing on state of the art technologies pertaining to digital information and communication. The applications of advanced information technology to such domains as astronomy, biology, education, geosciences, and health care are among topics of relevance to ITNG. Visionary ideas, theoretical and experimental results, as well as prototypes, designs, and tools that help the information readily flow to the user are of special interest. The conference features keynote speakers, the best student award, the PhD student forum and workshops/exhibits from industry, government and academia. Topics are included but not limited to the following:

Methodologies & Tools

- Data Mining & Warehousing
- Information Retrieval
- Document Analysis
- Web Technology
- Entertainment Engineering
- Quantum Computing
- Reconfigurable Computing
- Pervasive and Ubiquitous Computing
- Parallel & Distributed Computing
- Supercomputing
- Bioinformatics & Biocomputing
- Biometrics
- Wearable Computing
- Fuzzy Logic
- Data Compression
- Error Control Codes
- Cryptography
- Image, Audio, Video Processing
- Remote Sensing
- Information Assurance

Networking & Communication

- Sensor Networks
- Ad-hoc Networks
- Wireless Communication
- Enterprise Networks
- Gigabit Networking
- Multimedia Communication
- Network Architectures & Protocols
- Neural Networks
- Interconnection Networks

Software

- Markup Languages
- Language & Compilers
- Operating Systems
- Generative Programming
- Security Protocols, Virus & Worms
- Software Testing
- Software Metrics
- Software Dependability
- Genetic Algorithms

Systems & Architectures

- Cooperative Information Systems
- Distributed & Grid Systems
- Web Technology
- Security Systems
- Graphics Hardware
- e-Health Care
- e-Learning, e-Commerce, e-Gaming
- Energy and Power-efficient Systems
- Hardware-Software Codesign

Hardware

- Application-specific Processors
- Computer Arithmetic
- System on chip-Ad-hoc
- Multimedia Processors, Graphics
- Micro Electromechanical Systems
- Embedded Systems
- Processing-in-Memory Technology
- PCB technology & Interconnect Design
- Bio Chips & DSP Chips
- Evolvable Hardware

Conference Panel- TBA

Track Proposal Submission

Please submit your proposal for organizing a special track to the conference chair including the scope of the track, plan for paper solicitation and a short auto biography.

Paper Submission

Authors should send a 6-page version of their original and unpublished work including 5 keywords in the **IEEE format** to their respective track/session using the submission link to be announced at www.itng.info soon. Papers that do not fit the scope of any of the existing tracks, should be submitted to General Track. Electronic submission in the PDF format or Word document is strongly encouraged. Per ITNG policy, except for invited papers, all papers will be reviewed by at least two independent reviewers. Accepted papers will be included in the conference proceedings published by the **CPS (Conference Publishing Services)**. Selected papers presented in the conference will be considered for publication in a special issue of an international journal.

Best Student Paper Award

Papers submitted and presented by students will be considered for the award. To be eligible, the student must be the sole author, or the first author and primary contributor. A cover letter or email to the General Chair must identify the paper as a candidate for this competition at the time of the submission. (The winner of the award will present the paper in a plenary session at the conference.)

Best Poster Award

All poster papers presented at the conference will be considered for this award.

Best Service Award

This award is presented to the individual who has contributed the most to the quality and growth of the conference.

Social Activities

These activities include preconference reception (Sunday Evening, April 15, 2012) and conference dinner reception (Tuesday Evening, April 17, 2012).



Published by:

