ITNG 2011

8th International Conference on Information Technology- New Generations
April 11-13 (updated), 2011, Las Vegas, Nevada, USA
www.itng.info

Proceedings to be published by the CPS.

Track Proposal Deadline: Sept. 3, 2010, Submission Deadline: Oct. 15, 2010

General Chair
Shahram Latifi, Professor
ECE Dept, UNLV
Email: latifi@itng.info

Program Committee
TBA

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.

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.

Published by:

CPS
Conference Publishing Services

PHASE

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

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 10, 2011) and conference dinner reception (Tuesday Evening, April 12, 2011).