

ITNG 2017

14th International Conference on Information Technology- New Generations

April 10-12, 2017, Las Vegas, USA

www.itng.info

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Paper Submission Deadline (extended): Oct. 28, 2016

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Keynote Speakers

The conference features two 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 communications. The applications of advanced information technology to such domains as astronomy, biology, education, geosciences, health care and security 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

- Big Data
- Bioinformatics & Biocomputing
- Biometrics
- Cloud Computing
- Collective Intelligence and Crowdsourcing
- Cryptography
- Data Compression
- Data Mining & Warehousing
- Document Analysis
- Fuzzy Logic
- Image, Audio, Video Processing
- Information Assurance
- Information Retrieval
- Machine Learning
- Quantum Computing
- Parallel & Distributed Computing
- Pervasive and Ubiquitous Computing
- Reconfigurable Computing
- Remote Sensing
- Supercomputing
- Visual Modeling
- Wearable Computing
- Web Technology

Networking & Communication

- Ad-hoc Networks
- Enterprise Networks
- Gigabit Networking
- Internet of Things
- Multimedia Communication
- Network Architectures & Protocols
- Neural Networks
- Social Networks
- Sensor Networks
- Wireless Communication

Software

- Algorithms
- Generative Programming
- Languages & Compilers
- Markup Languages
- Security & Cybersecurity
- Software Testing
- Software Metrics
- Software Dependability
- Software Development Approach
- Software Technologies
- Teaching and Learning Technologies

Systems & Architectures

- Cooperative Information Systems
- Distributed & Grid Systems
- e-Health Care
- e-Learning, e-Commerce, e-Gaming
- Energy and Power-efficient Systems
- Entertainment Engineering
- Error Control Codes
- Graphics Hardware
- Green Technologies
- Hardware-Software Co-design
- Operating Systems
- Security Systems

Hardware

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

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, a plan for paper solicitation and a short biography.

Paper Submission

Authors should send a 6-page IEEE 2-column version of their original and unpublished work including 5 keywords in the to their respective track/session. 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 **Springer**. 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 9, 2017) and conference dinner reception (Tuesday evening, April 11, 2017).



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