

ITNG 2022

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19th International Conference on Information Technology: New Generations
April 10 – 13, 2022, Las Vegas, USA
www.itng.info

Paper Submission Deadline: Oct. 15, 2021

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TBA

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Keynote Speakers

The conference features three keynotes. The emphasis of the keynote addresses are on global issues governing information technology as opposed to 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, a best student paper award, best poster award, best service award, a PhD student forum and workshops/exhibits from industry, government, and academia. Topics are included but not limited to the following:

Methodologies & Tools

- Machine Learning
- Data Mining & Warehousing
- Information Retrieval
- Document Analysis
- Web Technology
- Cloud Computing
- Quantum Computing
- Reconfigurable Computing
- Pervasive & 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
- Internet of Things

Software

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

Systems & Architectures

- Cooperative Information Systems
- Distributed & Grid Systems
- Green Technologies
- Security Systems
- Graphics Hardware
- e-Health Care and Technology
- Hospital & Patient Data, HIPPA
- e-Learning, e-Commerce, e-Gaming
- Energy and Power-efficient Systems
- Hardware-Software Co-design

Hardware

- Application-specific Processors
- Computer Arithmetic
- System on chip
- Multimedia Processors, Graphics
- Micro Electromechanical Systems
- Embedded Systems, NoC
- 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. The proposal should include the scope of the track, the plan for paper solicitation, and a short autobiography.

Paper Submission

Authors should send a 6-page version of their original and unpublished work including 5 keywords to their respective track/session via <https://easychair.org/conferences/?conf=itng2021>. Papers that do not fit the scope of any of the existing tracks, should be submitted to the General Track. Electronic submission in either PDF or Word (.docx) format 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 at the conference will be considered for publication in a **special issue of an international journal**. Confirmed Journals are:
1. Journal of Information, 2. Int'l Journal of Hyperconnectivity and the Internet of Things (IJHIoT).

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 submission. The winner of the award will present the paper in a plenary session at the conference.

Best Poster Award

All posters 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 the pre-conference reception (Sunday evening, April 10, 2022) and the conference dinner reception (Tuesday evening, April 12, 2022).

