

2nd International Conference on Next Generation
Communication and Computing Systems (ICNGC2S-11),
December 3-4, 2011, Chandigarh, India

Organized by

**Institution of Engineers, Technocrats and Academician
Network (IETAN)**

Last Date of Paper Submission is extended to: 15 September 2011

All The accepted papers will be published in the Journal of Computer Science
which is indexed in Scopus published by Science Publications.

www.ietan.org/icngc2s11/icngc2s11.html

INVITATION LETTER

Dear Sir/ Madam

It gives us immense pleasure to inform you that we are planning to organize an International Conference on “Next Generation Communication and Computing Systems” (ICNGC²S-11) on 3-4 December 2011.

The event shall provide a common platform for the exchange of knowledge between Scientist, Engineers, Technocrats, Academicians, and Researcher have a vital role to play in the process of emergence of new theories, models in the field Communication, Computing and Information Sciences/technologies. They also have a responsibility to harness these for common good and strive to prevent their possible ill effects in the era of rapid growth in technologies. ICNGC2S-11 will play a significant role in generating awareness about the potential and the limitations of new technologies, concepts, theories, and trends. The chief objective of ICNGC2S-11 is to bring together experts from industries, academia, R&D institutions and other user communities on a common platform to discuss and share their expertise and experiences.

Call for papers

Authors are being invited to submit their original work in Communication, Computing and Information Sciences/technologies including, but not limited to, in the following areas. All submissions will be subjected to at least two blind reviews. Acceptance will be based entirely on quality, relevance and originality.

Green Communications

- Energy-efficient transmission technologies
- Cross-layer optimizations
- Energy-efficient switch and base station architectures
- Low-power sleep mode
- Exploitation of passive network elements
- Architectures and frameworks
- Hierarchical and distributed techniques
- Remote power management for terminals
- Context-based power management
- Instrumentation for energy consumption measurement
- Operator experiences

- Mobile and wireless/wired access networks
- Broadband access networks
- Management of home and office networks

Seamless Wireless Mobility

- Architecture, system, and protocol design for seamless roaming support in wireless networks
- Spectrum cognition and agility associated with mobility
- Vertical handoff and seamless integration of heterogeneous networks
- Location tracking, positioning, and address management

- Mobility modeling and theoretical/experimental validation
- Mobility impact on routing, resource/power/QoS management
- Adaptive and resilient protocols for seamless mobility support at all layers, as well as cross-layer approaches
- Security and privacy issues under mobility and network access
- Emerging standards and applications on mobility

Service-Oriented Internet

- Architecture for future service-centric networks
- Scalability of future service-centric networks
- Modeling and simulation issues and methodologies
- Overlay, peer-to-peer and content delivery services
- Design for location and social awareness
- Design and implementations for ubiquitous services
- Reliability and availability of future service-oriented Internet
- Management of services and service-oriented networks
- Service selection, composition, and delivery platforms
- Management of event driven architectures
- Distributed complex event processing systems
- Cognitive networks and services
- Application-aware routing and forwarding
- Optimization and cross-layer design of service-oriented systems
- Service-oriented network experimental trials, tools and test-beds
- Economics, pricing and charging of emerging services
- Distributed/market-based and game-based control of service-centric networks
- Analytic and simulation components of service-

- oriented networks and systems
- Workload characterization and distribution fitting
- Scheduling in multi-tiered environments
- Network architecture design for supporting large-scale social applications and services
- Quality-of-service in large social networks
- Privacy issues in online social networks
- Internet measurement and analysis of social applications and services
- Challenges posed by the emergence of online social networking

e-Service

- e-Business
- e-Government
- e-Learning
- Ethics / Society
- Trust, Recommendations, Evidence, and other
Legal / Professional Issues

Intelligent Systems

- Artificial Intelligence
- Expert System
- Machine Learning
- Soft Computing
- Mobile Agents

Platform Technology

- Distributed System
- GRID computing
- Open Source Technology
- Operating System
- Programming & Integrative Technology
- System Administration and Maintenance
- WWW Applications and Technologies
- Virtual Reality
- Sensor Networks

However the research ideas from relevant and related areas are also welcome. Many eminent experts from India and abroad are expected to participate in the conference. We will be happy to have you as one of the honorable participants in the conference. We shall be grateful to receive your suggestions for the conference. I hope that you will be able to join us as and grace the event.

Kindly note that information regarding the conference can also be found at www.conferencealerts.com, and www.ietan.org. For further information and queries kindly visit the link given below.

Looking forward to hear your response.

Thanking you

Yours truly,

Dr. R. B. Patel

Organising chair

ICNGC²S-11

Submit through email: icngc2s12@gmail.com

Link: www.ietan.org