



Call for Paper

ICUMT Workshop

ANVIT 2009: International Workshop on Advances in Computer Networks, VLSI and Innovative Technologies

13–14 October 2009

St. Petersburg, Russia

<http://www.icumt.org/p-workshop.html>

General Chair of the Workshop

NITIN

Jaypee University of Information Technology,

Waknaghat, India

delnitin@ieee.org

delnitin@juit.ac.in

Technical Program Committee Chairs of the Workshop

1. HAMID R. ARABNIA

University of Georgia, United States of America

hra@cs.uga.edu

2. DAVID-AL DABASS

Nottingham Trent University, United Kingdom

david.al-dabass@ntu.ac.uk

3. DURG SINGH CHAUHAN

Uttarakhand Technical University, India

pdschauhan@gmail.com

4. TAPAS CHAKRAVARTY

IBM Embedded System Lab, India

tapas.chakravarty@tcs.com

5. ROHIT SHARMA

Jaypee University of Information Technology, India

rohitsharma@ieee.org

Advances in Computer Networks, VLSI and Innovative Technologies (ANVIT '09) is a two day international workshop held in conjunction with the 2009 International Conference on Ultra Modern Telecommunications (ICUMT). The role of VLSI design has augmented with new and innovative technologies coming to the forefront. The area of chip design

is thus not limited to integrated circuits alone. There is need to develop and analyze high-speed circuits considering activities at the system level. It is this fact that has inspired the above workshop theme. ANVIT '09 aims to provide a platform for researchers and scientists to disseminate latest developments and concepts in the broad area of networks, VLSI, and innovative technologies. Original and previous unpublished papers are invited for submission and possible publication to ANVIT '09.

Topics of interest include but are not limited to:

1. Computer Networks

- A. Network Architecture and Design
 - Networks for LAN, MAN and WAN
 - High Speed Data Networks
 - Interconnection Networks
 - Performance analysis of Networks
 - Networks-on-Chip
 - Networks-in-Package
 - Torus and X-Torus Networks
- B. Optical Networking
 - Optical Networks-on-Chip
 - Congestion Control Mechanism
- C. Communication Protocols
 - Design and Analysis of Protocols for Network
 - Routing and Multicasting
 - Congestion Control and Avoidance
 - Internet Protocols-Advances
- D. Network Software
 - Distributed API's for Network Systems
 - Network Software Architecture
 - Network Applications
- E. Network Services and Applications
 - Connectionless and Connection-Oriented Services
- F. Network Operations and Management
 - Fault-tolerance
 - Reliability and Survivability
 - Security and Cryptography

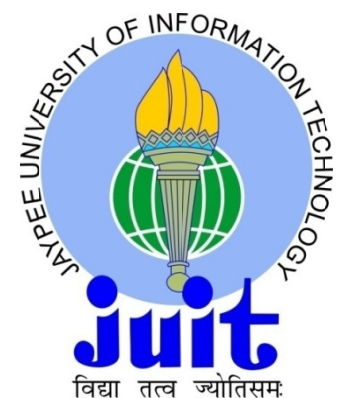
2. Very Large Scale Integration (VLSI)

- Systems Specifications, Design and Partitioning
- System-Level Test
- Reliable VLSI/ULSI Systems
- High Performance Computing and Communication Systems
- Wafer Scale Integration and Multichip Modules (MCMs)
- High-Speed Interconnects in Microelectronic Systems
- VLSI/ULSI Neural Networks and their Applications
- Adaptive Computing Systems with FPGA Components
- Mixed Analog/Digital Systems
- Cost, Performance Tradeoffs of VLSI/ULSI Systems
- Adaptive Computing Using Reconfigurable Components (FPGAs)
- Transducer Design

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- Telecom, Instrumentation, Digital Signal Processing, Encryption, Compression, Imaging Applications
- Education and Curricula in Design

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3. Innovative Technologies

- Smart Sensor Networks
- Data Mining and Database Applications
- Bio-Informatics and Bio-Medical Simulation
- Image Processing and its Application
- Ubiquitous Computing
- Underwater Networks
- Human Computer Interaction and Accessibility
- Model Driven Architecture
- Supply Chain Management
- Application of Stable Matching to Computer Networks
- Geographic Information System

Paper Submission

The authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another conference or journal, addressing state-of-the-art research and development in all areas of computer networking and data communications. All Papers must be submitted electronically in the EDAS. The maximum size of papers should be 5000 words including tables and figures. The cover page must contain an abstract of about 150 words, 3-5 keywords, name and affiliation of author(s) as well as the corresponding author's e-mail and postal address. Selected best papers will appear in a journal special issue.

The workshop proceedings will be published in IEEE Xplore and indexed in relevant databases and the selected best and outstanding papers will be considered for international journal special issues.

This year the ANVIT 2009 workshop is collocated with the International Conference on Ultra Modern Communications (ICUMT 2009). The ICUMT 2009 is supported by the Popov Society and Government of St. Petersburg and regarded as very important part of scientific life of Russia. The conference has strong industrial support from worldwide leading telecommunication vendors as well as national companies and SMEs. The ICUMT 2009 will be held in St. Petersburg, Russia - the meeting point of East and West. Through its stunning architecture and wonderful art galleries and museums, among a number of other attractions, the wealth of history of East and West can be seen and felt in this beautiful city. The venue place and official hotel for the ICUMT 2009 and ANVIT 2009 is the Pulkovskaya Park Inn.

IMPORTANT DATES

Paper submission: June 15, 2009

Acceptance notification: July 15, 2009

Camera ready: August 05, 2009

For further and up-to-date information please visit official web page of the Conference <http://www.icumt.org/p-workshop.html> and <http://www.icumt.org/w-40.html>