



6th International Symposium on 'High Capacity Optical Networks and Enabling Technologies'

HONET '09

December 28-30 , 2009

Alexandria, Egypt



Organized and Hosted by:

University of North Carolina Charlotte (UNC Charlotte), USA
Alexandria Higher Institute of Engineering & Technology (AIET), Egypt
Pharos University in Alexandria (PU), Egypt

International Co-Organizers:

Universiti Sains Malaysia (USM), Penang, Malaysia
National University of Sciences & Technology (NUST), Pakistan

Vision

To bring together professionals and practitioners from the academia, industry and government functionaries from around the world, with an objective to share knowledge and experience in the field of ICT for global partnerships and collaborations aiding economic growth to support peace and prosperity in the world.

Call for Papers

General Information

High-speed Internet is driven by global optical networks utilizing various photonic- and network-technologies, lambda grids, fiber-optic, wireless/optical-wireless as enabling technologies for IT and Telecom from the architectural, security, signal transport and application perspectives. IEEE ComSoc is technical sponsor of the annual symposium, which is preceded by a focused workshop, and will span over three days of technical and visionary presentations as well as testbed experiences; and will include keynote addresses and various plenary sessions on various focus areas consistent with the theme and objectives. As a part of its legacy, the major objective of this **6th International Symposium** is to bring together participating US, Egypt, and the world-wide researchers, educators, students, and industry professionals for collaborations. The HONET 2009 thematic focus is Nanophotonics for high-speed internet from building-

block components to e-Science and Healthcare applications, network security and the enabling technologies. More info at: <http://honet-ict.org>

Papers

Authors are invited to submit **R&D and visionary papers**, presenting research work related to the practice and theory of 'High-capacity Optical Networks & Enabling Technologies'. All submissions must describe original and pertinent research, development, and future vision. The topics of interest should include, but not limited to the following:

• Nanophotonics and Enabling Technologies	• Emerging Nanotechnologies and Applications
• Optical Internet – the next generation	• IPV6 - Emerging Testbeds
• ICT Service Oriented Architectures	• Convergence of Metro/Access Networks
• Optical Access Networks	• Optical-Wireless Networks
• Network Security, Survivability and Reliability	• Network Test & Monitoring, and Field Trials
• Wireless and Satellite Communication	• Wireless Mesh & Sensor Networks Applications
• Passive Optical Networks/FTTH/RoF	• e- Applications
• Traffic Engineering and Grooming	• Grid Computing/ Multi-Agent Systems
• Performance Evaluation and Modeling	• Optical Switching

These topics should be discussed in terms of research concepts, state-of-the-art, standards, implementations, developments, field trials/experiments, educational goals and new applications. Submitted or substantially similar papers must not be under review currently for any other publication. The accepted papers will be reviewed using "IEEE standards and criteria". Authors should note that only the accepted papers that are presented in the workshop/symposium will be eligible for proceedings. The accepted but unattended submissions will be omitted from all proceedings. Further updates on the workshop/symposium can be found at the website <http://honet-ict.org> and its companion websites.

Instructions for Authors

All paper submissions will be handled electronically. Authors should prepare a PDF version of their papers which should not exceed seven (7) double column pages, with font size that is no less than 10 points, and must include IEEE ComSoc copyright form. The format should conform to the guidelines available on the HONET website. The paper must contain a cover page with title, abstract, and name(s) of author(s) with respective affiliations, postal address(es), phone/fax numbers, and email address(es). The corresponding author must be clearly identified. Additionally, five keywords relevant to the research paper or theme area must also be listed on the cover page. Submissions will be peer-reviewed, and accepted papers will be published in proceedings by IEEE Xplore, and will be indexed with the major indexes.

All HONET papers should be submitted at <http://www.easychair.org/conferences/?conf=honet09>. And deadlines are 11:59 pm US Eastern Standard Time (EST).

Important Dates

Paper Submission:	October 10th 2009
Acceptance Notification:	October 30th 2009
Camera Ready Due:	November 25th 2009

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Hotels: 1) Hilton Hotel (*****), Green Plaza, Alexandria. Walking distance from Pharos University

2) Green Plaza Inn (***), Green Plaza, Alexandria: Walking distance from Pharos University

Opening Ceremony: Grand Hall, Pharos University

Sessions: Monday & Tuesday Dec 28-29, 2009: Faculty of Engineering, Pharos University; Wednesday Dec. 30, 2009, AIET