



**Call for Papers**  
**ICCCN 2008: 17<sup>th</sup> International Conference on Computer  
Communication Networks**

<http://www.iccn.org/iccn08/>

August 4-7, 2008

St. Thomas, US Virgin Islands, USA

Sponsor: Technical Co-Sponsorship by IEEE ComSoc

**Future Internet Architectures and Protocols Track**

The Internet has emerged as a remarkably successful infrastructure for data communication. Globally federated autonomous networks provide ubiquitous connectivity across diverse communication media. The Internet's layered protocol architecture provides sufficient flexibility to provide effective support for network applications ranging from web to peer-to-peer and TV-over-IP. However, limitations in manageability, security, and innovation in the network core have proven to be fundamental problems in the Internet architecture. In response to these shortcomings, researchers and funding agencies around the globe are in the process of exploring novel network architectures and protocols. This symposium seeks submissions on novel research ideas relating to architectural principles and specific implementation mechanisms. We solicit original and unpublished papers on all aspects of future Internet architectures and protocols including, but not limited to, the following topics:

- Network architectures and distributed protocols
- Architectural support for security
- Scalable resource allocation and management
- Architectural support for availability
- Network virtualization
- High-performance router designs
- Cross-layer designs
- Network services and network processing
- Advanced wireless and optical technologies in the context of Internet architectures
- Economic models and incentives
- Network measurement
- Platforms for large-scale experimentation

**Important Dates**

Paper submission:

**March 9, 2008 (FIRM)**

Notification of acceptance:

May 12, 2008

Camera ready papers due:

June 1, 2008

## Submission, Review, and Registration Instructions

Submission of manuscripts: Submitted manuscripts must be of length up to 6 pages unless the authors are willing to pay the over-length charges at the time of publication (manuscripts may NOT exceed 8 pages). The manuscripts must be submitted in standard IEEE camera-ready format (double-column, 10-pt font). Files should be submitted in PDF format and formatted for 8.5x11-inch paper. Submitted papers may NOT have appeared in, nor be under consideration for, another journal or conference. The Program Committee reserves the right to NOT review papers that either exceed the above length specification or have been submitted or published elsewhere. Submissions must include the title, abstract, keywords, author(s) and affiliation, e-mail address(es), fax/phone number(s), and postal address(es). In case of multiple authors, indicate which author is responsible for correspondence about the submission.

Review and publication of manuscripts: All submitted papers will be reviewed and judged on originality, correctness, relevance, quality of presentation, and technical strength and significance. An accepted paper must be registered and presented by one of the authors at the conference venue and must be limited to 6 pages (with an allowance of up to two extra pages at a cost of US\$150 per extra page beyond 6 pages) in standard IEEE camera-ready format.

Registration: Each full registration covers up to three papers by an author.

## Technical Program Committee

Symposium Co-Chairs:

Sergey Gorinsky, Washington University in St. Louis  
Tilman Wolf, University of Massachusetts Amherst

Symposium Program Committee:

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