

Call-For-Papers

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# 2004 IEEE International Workshop on IP Operations & Management

(IPOM 2004) <http://www.bupt.edu.cn/quick/link/ipom/>

*Self-Measurement & Self-Management of IP Networks & Services*

**October 11 – 13, 2004 (October 11 for Tutorials)**

**Beijing Friendship Hotel (A very special rate has been reached.)**

<http://www.BJfriendshiphotel.com>

**Beijing, China**



Sponsored by the IEEE Communications Society

Co-Sponsored by National Natural Science Foundation of China

Co-Sponsored by China Institute of Communications

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2004 IEEE International Workshop on IP Operations & Management (IPOM 2004), the 4<sup>th</sup> IPOM, provides the open forum to researchers, engineers and academia to exchange the latest technical information and research findings about IP Operations & Management concepts, theories, technologies, and applications: from existing deployments, current developments to future evolutions. IPv6 Networks have progressed into realm of optical communications-based, wireless, and mobility-enabled networks and further promises to add QoS-guaranteed resource allocations for multimedia-oriented applications and services in the near future. Especially, China is going to shape the largest IP network in the world in terms of users. The IP network operations and management are the crucial challenges we face. They open a huge area of innovation for new concept, theory and technology introduction.

**Topics of interested areas include but are not limited to:**

- Network Monitoring, Measurement, and Visualization of IP Networks
- Traffic Modeling, Measurement, Analysis, Engineering, and Visualization for IP Networks
- Network Planning and Design
- Self-Configuration, Self-Healing, and Self-Management
- Intra-/Inter-Domain Routing Policy Issues and Management
- Intra-/Inter-Domain QoS
- Interworking Operations and Management of IP over SONET/SDH or WDM Networks
- MPLS, GMPLS, and ASON
- Provisioning & Restoration
- Security and Privacy in IP Networks
- IP Troubleshooting
- Mobile/Wireless IP Networks (802.11, Ad-Hoc Networks, WPAN, 3G and Beyond) Operations & Management
- Managed Services on IP Networks (IP-VPN, QoS, VoIP, Instant Messaging, Video over IP, Webcasting, etc.)
- Enterprise IP Network Management
- IP Grid Management and Grid Services
- Web Architectures and Services (e.g., Content Distribution Networks, Load Balancing, Caching, XML)
- Directory, Web and XML-based IP Management
- Management of Sensor Networks
- Large-Scale IP Network Operations & Management
- Management of Dynamic Service Level Agreements
- Charging and Accounting for IP Services
- Connectivity and Growth of IP Networks in Emerging Geographies

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**Paper Submission Instructions (Complete Paper Manuscripts Due: July 31, 2004)**

Submissions should describe original work (not submitted or published elsewhere) and be of 3,000 – 4,000 words. Submissions should clearly indicate the topic. All submitted manuscripts will be reviewed by three experts of our Technical Program Committee. Please submit your manuscripts in the .pdf file to <http://edas.info> directly. If you have any questions or/and problems regarding this matter, please contact G.S. Kuo [gskuo@ieee.org](mailto:gskuo@ieee.org) directly.

**Tutorial Proposal Submission Instructions (Tutorial Proposals Due: July 31, 2004)**

Tutorials will be offered on Monday, October 11, 2004. Tutorial proposals on all hot topics about IP Operations & Management are welcome. Submissions should include tutorial abstract, outlines, and instructor's bio. All submitted tutorial proposals will be reviewed by at least three experts of our Technical Program Committee. Please submit your proposals in the .pdf file to Petre Dini [pdini@cisco.com](mailto:pdini@cisco.com) directly.

**Notification Date: August 31, 2004**

**Final Papers Due: September 21, 2004** (The proceedings of IPOM 2004 will be EI-indexed and with ISBN number.)

**Note: Based on IPOM 2004, a special topic, entitled “*IP Operations and Management*,” in some IEEE magazine will be planned by our TPC.**

**Note: Based on IPOM 2004, an edited book, entitled “*IP-based Operations and Management: Current Status and Future Directions*,” has already been proposed to John Wiley & Sons, Ltd for publication. The whole TPC will review the selected papers for the book.**