



**OPENARCH 2003**

April 4-5, 2003

San Francisco, CA

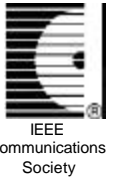
Co-Located with INFOCOM 2003

# CALL FOR PAPERS

## The Sixth IEEE Conference on Open Architectures and Network Programming

“Evolving Future Network Services”

Sponsored by the IEEE Communication Society



The Sixth IEEE Conference on Open Architectures and Network Programming (OPENARCH) will focus software and hardware technologies required to facilitate the evolution of the Internet to better support new services. OPENARCH is an international forum with a single-track format that provides researchers and developers with a focused, highly interactive opportunity to present and discuss current work and future directions in network services, and in open, programmable network architectures.

Open and programmable networking is driven by the desire to allow the Internet to continue its rapid evolution whilst becoming the commercial network infrastructure of choice. However, over the last decade technological advances have led the network infrastructure to become more complex rather than less (multiple technologies, protocols and topological layers), obstructing the introduction of new network services. Over the last few years the open and programmable networking community has redefined the basic architecture of networking systems and has blurred the distinctions between routers and end-systems. At the same time, new services, such as p2p systems, have become immensely popular; they pose significant challenges for network providers and impose new requirements on the underlying infrastructure.

The goal of OPENARCH 2003 is to move forward the discussion and understanding of these issues in networking systems, network services and wide-area service deployment. We solicit submission of high quality original research in these areas, with emphasis on implementations and experimentation. Authors are invited to submit full papers for consideration. Suggested topics include:

- Active and programmable networks
- Hardware and software implementation techniques
- Modeling of network services in open network architectures
- New network services and applications
- Overlay, virtual, and peer-to-peer networks
- Programming for pricing, accounting, and billing
- Proxies, middleboxes, and mediation devices
- Reliability of programmable networking technologies
- Security in an open networks and distributed applications
- Service creation platforms and enabling technologies

### Instructions for Authors:

Papers must be formatted according to the IEEE standard double-column format. All papers must be in the 11pt font. Please note: submissions longer than 9 pages will not be reviewed. Authors are requested to submit papers in the Adobe Portable Document Format (PDF). Instructions for electronic submissions are available at: <http://www.openarch.org>

Accepted paper(s) will be published in a bound Conference Proceedings. A CD-ROM version will be available as well.

### Important Dates:

Paper Submission 17 November 2002	Acceptance Notice 5 January 2003	Final Version Due 17 January 2003
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For more information visit the OPENARCH web site at <http://www.openarch.org>

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