



# COMPUTER NETWORKS

The International Journal of Computer and Telecommunications Networking

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Computer Networks* is an international, archival journal providing a publication vehicle for complete coverage of all topics of interest to those involved in the **computer communications networking** area. The audience includes researchers, managers and operators of networks as well as designers and implementors. The [Editorial Board](#) will consider any material for publication that is of interest to those groups.

### SUBJECT COVERAGE

The topics covered by the journal but not limited to these are:

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New design contributions on Local Area Networks (LANs), Metropolitan Area Networks (MANs), Wide Area Networks (WANs) including Wired, Wireless, Mobile, Cellular, Sensor, Optical, IP, ATM, and other related network technologies, as well as new switching technologies and the integration of various networking paradigms.

#### 2. **Communication Network Protocols:**

New design contributions on all protocol layers except the Physical Layer, considering all types of networks mentioned above and their performance evaluation; novel protocols, methods and algorithms related to, e.g., medium access control, error control, routing, resource discovery, multicasting, congestion and flow control, scheduling, multimedia quality of service, as well as protocol specification, testing and verification.

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Web, Web caching, Web performance, Middleware and operating system support for all types of networking, electronic commerce, quality of service, new adaptive applications, and multimedia services.

#### 4. **Network Security and Privacy:**

Security protocols, authentication, denial of service, anonymity, smartcards, intrusion detection, key management, viruses and other malicious codes, information flow, data integrity, mobile code and agent security.

#### 5. **Network Operation and Management:**

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## 6. **Discrete Algorithms and Discrete Modeling**

Algorithmic and discrete aspects in the context of computer networking as well as mobile and wireless computing and communications. Fostering cooperation among practitioners and theoreticians in this field.

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Managers and Operators of Networks as well as Designers, Implementors, Researchers, Regulatory Lawyers, Economists, Policy Analysts and Sociologists specializing in the area.

## **IMPACT FACTOR**

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Welcome to the online submission and editorial system for *Computer Networks*.

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2. Communication Network Protocols
3. Network Services and Applications
4. Network Security and Privacy
5. Network Operation and Management
6. Discrete Algorithms and Discrete Modeling

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Reference to a book:

[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

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