COMPUTER COMMUNICATIONS
The International Journal for the Computer and Telecommunications Industry

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DESCRIPTION

Computer and Communications networks are key infrastructures of the information society with high socio-economic value as they contribute to the correct operations of many critical services (from healthcare to finance and transportation). Internet is the core of today's computer-communication infrastructures. This has transformed the Internet, from a robust network for data transfer between computers, to a global, content-rich, communication and information system where contents are increasingly generated by the users, and distributed according to human social relations. Next-generation network technologies, architectures and protocols are therefore required to overcome the limitations of the legacy Internet and add new capabilities and services. The future Internet should be ubiquitous, secure, resilient, and closer to human communication paradigms.

Computer Communications is a peer-reviewed international journal that publishes high-quality scientific articles (both theory and practice) and survey papers covering all aspects of future computer communication networks (on all layers, except the physical layer), with a special attention to the evolution of the Internet architecture, protocols, services, and applications. Topics include, but are not limited to:

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- Future Internet architecture, protocols and services
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- Mobile and ubiquitous networks
- Self organizing/autonomic networking
- Green networking
- Internet content search
- QoS and multimedia networking
- Opportunistic networking
- On-line social networks
- Internet of things
- Public safety communication networks
- Network applications (web, multimedia streaming, VoIP, gaming, etc.)
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- Mobile and ubiquitous networks
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- Algorithmic aspects of communication networks
- Network scaling and limits

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Computer Communications invites scientific articles (both theory and practice) and survey papers covering all aspects of future computer communication networks (on all layers, except the physical layer), with a special attention to the evolution of the Internet architecture, protocols, services, and applications.

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