

1. Record Nr.	UNINA9910484126303321
Titolo	Networking -- ICN 2005 : 4th International Conference on Networking, Reunion Island, France, April 17-21, 2005, Proceedings, Part I // edited by Pascal Lorenz, Petre Dini
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XXXV, 933 p.)
Collana	Computer Communication Networks and Telecommunications, , 2945-9184 ; ; 3420
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Disciplina	004.6
Soggetti	Computer networks Application software Computers and civilization Multimedia systems Information storage and retrieval systems Telecommunication Computer Communication Networks Computer and Information Systems Applications Computers and Society Multimedia Information Systems Information Storage and Retrieval Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	GRID -- Optical Networks (I) -- Wireless Networks (I) -- QoS (I) -- Optical Networks (II) -- Wireless Networks (II) -- QoS (II) -- Optical Networks (III) -- Wireless Networks (III) -- WPAN -- Sensor Networks (I) -- Traffic Control (I) -- Communication Architectures -- Sensor Networks (II) -- Traffic Control (II) -- Audio and Video Communications -- Sensor Networks (III) -- Traffic Control (III) -- Differentiated Services -- Switching -- Streaming.

The International Conference on Networking (ICN 2005) was the fourth conference in its series aimed at stimulating technical exchange in the emerging and important field of networking. On behalf of the International Advisory Committee, it is our great pleasure to welcome you to the proceedings of the 2005 event. Networking faces dramatic changes due to the customer-centric view, the venue of the next generation networks paradigm, the push from ubiquitous networking, and the new service models. Despite legacy problems, which researchers and industry are still discovering and improving the state of the art, the horizon has revealed new challenges that some of the authors tackled through their submissions.

In fact ICN 2005 was very well perceived by the international networking community. A total of 651 papers from more than 60 countries were submitted, from which 238 were accepted. Each paper was reviewed by several members of the Technical Program Committee. This year, the Advisory Committee revalidated various accepted papers after the reviews had been incorporated. We perceived a significant improvement in the number of submissions and the quality of the submissions.

The ICN 2005 program covered a variety of research topics that are of current interest, starting with Grid networks, multicasting, TCP optimizations, QoS and security, emergency services, and network resiliency. The Program Committee selected also three tutorials and invited speakers that addressed the latest research results from the international industries and academia, and reports on findings from mobile, satellite, and personal communications related to 3rd- and 4th-generation research projects and standardization.
