



Call for Papers

First International Workshop on QoS Routing (WQoSR) October 1, 2004

“Smart Routing”

co-located with the Fifth International Workshop on Quality of Future Internet Services (QofIS'04)

September 29 - October 1, 2004

Barcelona, Catalunya, SPAIN

WQoS'04 URL: <http://www.qofis.org/wqosr>

Scope

Current routing protocols used in the Internet lack characteristics for QoS provisioning to support emerging new services. All traffic between two endpoints is forwarded on the same path, even if there are other alternative paths with more interesting properties for the requirements of a specific flow or traffic class. Quality of Service routing poses several challenges that must be addressed to enable the support of advanced services in the Internet, both at intra and inter-domain levels. The challenges of QoS routing are related to the distribution of routing information and to path selection and setup through the network. Extensive research has been carried out on QoS routing in the past few years. New frontiers are opening up to QoS routing such as the introduction of QoS routing in ad-hoc, wireless multi-hop, sensor and self organized networks, in content delivery networks and in optical technologies.

The purpose of this workshop is to summarize current research in QoS routing and to point out new research directions. Research papers describing experimental and theoretical studies related to QoS routing are especially welcome.

Therefore, authors are invited to submit work on issues related to, but not limited by, the following list of topics:

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| Algorithms for path selection - | - QoS routing dynamics (topology update rules, load balancing) |
| New ideas, new mathematical theories, novel concepts for QoS routing - | - Robustness, reliability, and scalability of QoS routing |
| Hierarchical QoS routing: intra- and inter-domain routing architectures - | - QoS routing in multi-hop wireless, mobile, and ad-hoc networks |
| QoS routing in optical networks - | - Multicast QoS routing |

Papers and Submissions

Papers are solicited as full papers (in English), of no more than 10 single-spaced pages, each of which will be subject to a full review process. Submissions should already follow the author guidelines as specified below and must include: title, authors, affiliations, 100-word abstract, and a list of at most five keywords. The corresponding author should be identified clearly, including name, position, mailing address, telephone and fax numbers, and e-mail address. An electronic, PDF-based submission of papers is mandatory, please check the URL <http://www.qofis.org/wqosr> for further submission instructions or contact wqosr@ac.upc.es for additional information. The conference proceedings are being published as hard-copy and electronically by Springer Verlag, Heidelberg, Germany, in the Lecture Notes in Computer Science Series and will be available during the event. Authors are obliged to follow the LNCS's guidelines (see <http://www.springeronline.com/sgw/cda/frontpage/0,10735,5-164-2-72376-0,00.html>) in preparing their manuscript. Author guidelines with respect to the final camera ready paper formats are to be strictly followed without exception, including the 10 page limit.

Important Dates

Deadline for submissions:	May 2, 2004 May 9, 2004 (Hard Deadline)
Notification of acceptance:	July 2, 2004
Camera ready version:	July 25, 2004
Workshop date:	October 1, 2004

General Information

The final program will be run as a full day workshop on October 1, 2004, preceded by QofIS'04 on September 29-30, 2004. The registration fee for this event will include the attendance of both WQoSR'04 and QofIS'04. For more information please visit <http://www.qofis.org/wqosr> or contact wqosr04@ac.upc.es.

Program Co-Chairs

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