Preface

The 2001 International Workshop on Quality of future Internet Services (QofIS'2001) held in Coimbra, Portugal, organized by COST Action 263, is the second of what we expect will become a series of successful QofIS workshops. The previous workshop was held in Berlin in the year 2000.

The areas of interest of QofIS cover the design, implementation and provision of Quality of Service, spanning key issues of current and emerging communication systems such as packet-level issues, flow-level issues, network-level issues, architectural issues, and applications.

The emphasis of the QofIS'2001 workshop is on *horizontal* (end-to-end) as well as *vertical* (top-down) provision of quality of services, covering all components of end systems and networks, with the aim of identifying solutions enabling feasible and coherent QoS provision.

The QofIS'2001 call for papers attracted 87 submissions from 23 Asian, Australian, European, North American, and South American countries. These were subject to thorough review work by the Programme Committee members and additional reviewers who carried out their work using a specially built conference system, WebChairing, developed in Coimbra by Flor de Utopia, that allowed full control of the submission and reviewing processes. Based on the comments and recommendations of the reviews, the final programme was defined in a Programme Committee meeting held at the University of Karlsruhe on June 5th, 2001.

A high-quality selection of 22 full papers organised in six, single-track sessions made up the QofIS'2001 main technical programme, which included topics such as QoS support for multimedia communication, admission control, QoS routing, Differentiated Services networks, QoS monitoring and mapping, and traffic engineering. This was complemented by two invited keynote talks: Ian F. Akyildiz from Georgia Institute of Technology, Atlanta, USA opened the workshop with a presentation on problems and research issues of an IP QoS physical testbed setup in collaboration with NASA Qbed to support MPLS traffic engineering and Differentiated Services. Jens Zander, from the Royal Institute of Technology, Sweden, addressed key problems and possible solutions for affordable quality of service guarantees in future wireless multimedia systems in the keynote talk of the second day.

In addition to the main technical programme, the third day of the workshop was dedicated to a mini-track on QoS charging organized by M3I and to a session of invited papers on various European projects/actions: Cadenus, Tequila, Aquila, COST Action 264, and Sequin/GEANT.

We wish to record our appreciation of the efforts of many people in bringing about the QofIS'2001 workshop: to all the authors that submitted their papers to the workshop, regretting that it was not possible to accept more papers; to the Program Committee and to all associated reviewers; to our sponsors and supporting institutions; and to all the members of COST Action 263 who, again, successfully organised a QofIS workshop; to ESEC for the multimedia coverage of the workshop. Finally, we would like to thank all the people that helped us at the University of

Coimbra, namely João Orvalho, Jorge Sá Silva, Gonçalo Quadros, Paulo Simões, Marília Oliveira, Luís Alexandre Silva, João Cunha, João Sá Marta, and all the volunteers from the Laboratory of Communications and Telematics.

July 2001   Mikhail Smirnov
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                                                                                     Jim Roberts
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