

# Preface

Welcome to IWQoS 2001 in Karlsruhe!

Quality of Service is a very active research field, especially in the networking community. Research in this area has been going on for some time, with results getting into development and finally reaching the stage of products. Trends in research as well as a reality check will be the purpose of this Ninth International Workshop on Quality of Service.

IWQoS is a very successful series of workshops and has established itself as one of the premier forums for the presentation and discussion of new research and ideas on QoS. The importance of this workshop series is also reflected in the large number of excellent submissions. Nearly 150 papers from all continents were submitted to the workshop, about a fifth of these being short papers. The program committee were very pleased with the quality of the submissions and had the difficult task of selecting the relatively small number of papers which could be accepted for IWQoS 2001. Due to the tough competition, many very good papers had to be rejected.

The accepted papers included in these proceedings can be neatly structured into sessions and we have a very interesting workshop program which covers the following areas: Provisioning and Pricing; Systems QoS; Routing; TCP Related; Aggregation and Active Networks Based QoS; Wireless and Mobile; Scheduling and Dropping; and Scheduling and Admission Control. Finally, we have a session in which the accepted short papers will be presented. The contributed workshop program is complemented by a strong invited program with presentations on "*Quality of Service – 20 years old and ready to get a job?*" and "*Automated, dynamic traffic engineering in multi-service IP networks*", and by a panel discussion on "*How will media distribution work in the Internet?*".

While IWQoS is now a very well established event, we nevertheless want it to be a lively workshop with lots of interesting discussions. Thus, we would like to encourage all participants to take an active part during the discussions of the presented work as well as during the breaks and social events.

Here we would also like to thank our sponsors and patrons, namely SAP AG / CEC Karlsruhe – Corporate Research, Enterasys Networks, Ericsson Eurolab, Siemens, IBM, NENTEC, and Gunther-Schroff-Stiftung, who helped to make the workshop possible. Moreover, IWQoS 2001 is supported by technical co-sponsorship in-cooperation with the IEEE Communications Society, ACM SIGCOMM, and IFIP WG 6.1.

We heartily thank the program committee, and also all the expert reviewers, for their efforts and hard work especially in the reviewing and selection process – a large number of reviews had to be prepared in a very short time!

Finally, many thanks to the local organizers, especially Klaus Wehrle and Marc Bechler, but also all the other people helping with the workshop organization.

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