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Quality of Service – IWQoS 2005

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Preface

We welcome you to the proceedings of IWQoS 2005 held at the University of Passau, in the beautiful state of Bavaria, Germany. We hope that all attendees enjoyed their time in that ancient and historic city.

Quality of Service(QoS) continues to be an important area of research. Traditionally very focused on the area of networking, it has grown to include mobile applications, wireless environments, 3G and 4G cellular networks, user experience, overlay networks, large-scale systems and other important areas of application. Six full-paper sessions that comprised selected papers of very high quality were devoted to the above mentioned, cutting-edge topics in this volume. We had a fascinating cross-disciplinary program and hope to have seeded connections between different disciplines and between industry and academia.

In addition to the reviewed paper sessions, we were pleased to present two inspiring keynote speakers in this year's program: *Randy Katz*, University of California, Berkeley, USA, and *Michael Stal*, Siemens AG, Munich, Germany. One speaker being from academia and one from industry, reflected well the balanced view of this workshop. Both keynotes extended the scope of QoS and addressed pressing issues, such as "spam," and leading trends, such as "service orientation," and their relevance to QoS.

We worked towards returning IWQoS back to its roots as a workshop where emerging research can be presented. In addition to the regular paper sessions, we therefore extended the program for inclusion of two short-paper sessions and a panel session. These three extra sessions were designed to be particularly interactive between speakers and audience. The Work in Progress short-paper track featured ideas and early research that is still open for discussion and commentary and therefore was given room to be innovative, provocative and visionary. The Position Papers session featured short papers that investigate the impact of QoS: where industry meets academia. The papers in this session paid tribute to the maturing state of QoS-related research and were intended to expose the community to new applications of QoS and to help understanding the barriers to deployment. The Panel session was devoted to discussing a provocative new paradigm, namely whether QoS can be achieved in a "self-organizing" manner, and brought up a controversial and novel view, which implied a shift away from more traditional paradigms.

As always a great deal of effort went into creating this program. More than 120 submitted papers were received with 317 co-authors from 32 countries belonging to all five continents. We were particularly pleased with the relatively large number of papers received from Asia and South America. The five countries with the most co-authors of the submitted papers were: USA (49), Germany (43), South Korea (31), China (29) and Brazil (20). The best 23 full papers, all of which are technically excellent, were selected after a thorough peer-reviewing

process, where each paper was independently evaluated by at least three reviewers. In addition to the full papers, 17 short papers were selected based on their merit for the respective session and their general quality.

We wish to thank the Program Committee for its hard work to ensure that high-quality papers were accepted and that new research was viewed with an open mind. Finally, the authors are to be thanked for their submissions and continuing excellence.

As with any large endeavor, there are many people who managed the computational and physical logistics. We wish to thank Ivan Dedinski for his heroic efforts to manage the IWQoS Web site and online support, and Silvia Lehmbeck for her fabulous organizing efforts. Eva Gutsmiedl did an excellent job with the careful compilation of the camera-ready papers for the preparation and final editing of the proceedings. David Hutchison is to be thanked for his effort and excellence in organizing a fascinating panel, and Georgios Karagiannis, together with François Le Faucheur, helped greatly to shape the industrial session. Jan de Meer excelled in organizing the floor exhibition as an accompanying program. In alphabetic order, many thanks also to Richard Holzer, Alois Höng, Amine Houyou, Anton Kornexl, Elisabeth Loibl, Jens Oberender, Patrick Wüchner and to the other many people who helped with the workshop organization during various phases.

Passau
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