Message from
the Program Committee Co-Chairs

We are pleased to welcome you to Washington, D.C., and to announce the technical program of the Fifth IEEE International Symposium on Object-Oriented Real-Time distributed Computing (ISORC 2002). Because of the continuously increasing demands from a variety of computer-based applications, the interest in object-oriented real-time distributed computing (ORC) technology is growing rapidly all over the world. We are, therefore, excited about this important event that brings the ORC community together. As the complexity of ORC applications increases, we encounter more intensive research challenges for achieving the desired levels of performance. In addition, advances in ORC technology are reflected by the support of real-time and fault-tolerant features by CORBA and Java, and by solving issues using component software technology. This year’s ISORC technical program reflects these trends and presents the state-of-the-art research related to many of the aspects above.

The paper submissions were well distributed over the various aspects of the ORC technology. The submissions focused on topics ranging from traditional real-time software systems to real-time Java, real-time CORBA, quality of service support, and component software technologies. They also addressed various application domains to which ORC technology is applied, including large-scale distributed computing systems, real-time control systems, home network systems, embedded computing systems, and others. The diversity of applications shows that ORC technology plays a key role in today’s high-tech world.

From the paper submissions, the Program Committee accepted 45 regular papers and nine short papers. This year’s program also includes three excellent panel sessions and one special session with distinguished participants representing industry, academia, and government. The panels, covering various aspects of the ORC technology, and the special session, covering R&D programs/movements in the software technology field, highlight one of the key goals of this symposium—to encourage an open discussion on the different views about the ORC aspects.

We are grateful to the authors who contributed to the ISORC 2002 technical program as well as to the participants of the special session and the panels. In addition, we thank the members of the Program Committee for their hard work and their support in setting up the program. Special thanks are due to those PC members who attended the PC meeting, and for their commitment in finalizing the technical program. Further, we are grateful to Kane Kim, TC Liaison, and to the ISORC 2002 General Co-Chairs, Ray Paul, Michel Raynal, and Makoto Takizawa for their invaluable support and advice.

We hope that you will benefit from the excellent quality of the ISORC 2002 technical program and we look forward to seeing you next year at ISORC 2003!

Program Committee Co-Chairs

Luiz Bacellar  
United Technologies Research Center (USA)

Peter Puschner  
Technical University of Vienna (Austria)

Seongsoo Hong  
Seoul National University (Korea)