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Final Report
Grant No. N00014-94-1-0010
October 1, 1993 - September 30, 1994

**ELEVENTH IEEE WORKSHOP ON REAL-TIME OPERATING
SYSTEMS AND SOFTWARE**

Submitted to:

Dr. Andre M. van Tilborg, Director
Computer Science Division
Code 333
Office of Naval Research
800 North Quincy Street
Arlington, VA 22217-5660

Submitted by:

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Charlottesville, VA 22903

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Final Report

Eleventh IEEE Workshop on Real-Time Operating Systems and Software
May 18-19, 1994
Seattle, Washington

Abstract

This workshop, held May 18-19, 1994 at the Holiday Inn Crowne Plaza, Seattle, Washington, was the eleventh in a continuing series of annual workshops on real-time operating systems and software. This workshop, co-sponsored by the IEEE Computer Society Technical Committee on Real-Time Systems and the Office of Naval Research, has accumulated a good tradition of unusually dense and substantial discussions on hot real-time issues, notably on problems and experiences in system design and development. Position papers describing new ideas, promising approaches, experiences with practical and research systems, and work in progress were included in these areas:

- Real-time operating systems, including parallel and distributed systems and communication
- Real-time specifications for requirements and designs
- Real-time software systems and programming environments
- Real-time scheduling and resource management: experiments and practice
- Examples of current real-time systems

Report

The program committee received submissions from 5 countries, representing 4 continents. Of the 42 submitted papers, 22 were selected for oral presentations. These papers cover a broad range of topics, including real-time systems, operating systems, scheduling approaches, real-time communications, timing analysis, concurrency control, applications, and formal methods.

Nearly 60 participants were in attendance. Three panel discussions including internationally recognized leaders in scheduling, real-time education and real-time benchmarks took place.

The 117-page proceedings, published by IEEE, were distributed to the participants and sent to leading researchers working in this field. The program committee consisted of the Chair, Alan Shaw, University of Washington; Ted Baker, Florida State University; Stuart Faulk, SPC; Mike Jones, Microsoft; Luqi, Naval Postgraduate School; Keith Marzullo, University of California at San Diego; Karsten Schwan, Georgia Tech; Hide Tokuda, Carnegie Mellon University; and Wei Zhao, Texas A&M University.

Ted Barker, Florida State University, was elected as the General Chair and Wei Zhao, Texas A&M, as the Program Chair for the Twelfth IEEE Workshop on Real-Time Operating Systems which is tentatively scheduled to be held in Houston, Texas on May 10-11, 1995.

**Sang H. Son
General Chair**

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