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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:

Sang H. Son
Associate Professor

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DEPARTMENT OF COMPUTER SCIENCE

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SCHOOL OF
ENGINEERING
& APPLIED SCIENCE

University of Virginia
Thornton Hall
Charlottesville, VA 22903
UNIVERSITY OF VIRGINIA
School of Engineering and Applied Science

The University of Virginia's School of Engineering and Applied Science has an undergraduate enrollment of approximately 1,500 students with a graduate enrollment of approximately 600. There are 160 faculty members, a majority of whom conduct research in addition to teaching.

Research is a vital part of the educational program and interests parallel academic specialties. These range from the classical engineering disciplines of Chemical, Civil, Electrical, and Mechanical and Aerospace to newer, more specialized fields of Applied Mechanics, Biomedical Engineering, Systems Engineering, Materials Science, Nuclear Engineering and Engineering Physics, Applied Mathematics and Computer Science. Within these disciplines there are well equipped laboratories for conducting highly specialized research. All departments offer the doctorate; Biomedical and Materials Science grant only graduate degrees. In addition, courses in the humanities are offered within the School.

The University of Virginia (which includes approximately 2,000 faculty and a total of full-time student enrollment of about 17,000), also offers professional degrees under the schools of Architecture, Law, Medicine, Nursing, Commerce, Business Administration, and Education. In addition, the College of Arts and Sciences houses departments of Mathematics, Physics, Chemistry and others relevant to the engineering research program. The School of Engineering and Applied Science is an integral part of this University community which provides opportunities for interdisciplinary work in pursuit of the basic goals of education, research, and public service.
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Department of Computer Science
UNIVERSITY OF VIRGINIA
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
THORNTON HALL
CHARLOTTESVILLE, VA 22903-2442
Eleventh IEEE Workshop on Real-Time Operating Systems and Software

Sang H. Son

University of Virginia
Department of Computer Science
Thornton Hall
Charlottesville, VA 22903-2442

Office of Naval Research
800 N. Quincy Street
Arlington, VA 22217-5660

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
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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
DISTRIBUTION LIST

1 - 3 Dr. Andre M. van Tilborg, Director
   Computer Science Division
   Code 333
   Office of Naval Research
   800 North Quincy Street
   Arlington, VA 22217-5660

4 Grant Administrator
   Office of Naval Research
   Resident Representative N66020
   101 Marietta Street, Suite 2805
   Atlanta, GA 30323-0008

5 Defense Technical Information Center
   Building 5, Cameron Station
   Alexandria, VA 22314

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