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SUPERCOMPUTING SYSTEMS

Proceedings of the
First International Conference,
St. Petersburg, Florida, U.S.A.,
December 16 - 20, 1985.

S. P. Kartashev and I. S. Kartashev (Editors)

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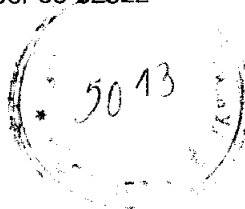
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First Day of Technical Program / Tuesday, December 17, 1985

OPENING PLENARY SESSION

Opening Address of the General Chairperson

Dr. Edith W. Martin
Boeing Electronics Company, USA

Opening Address of the President, IEEE Computer Society

Dr. Martha Sloan
Michigan Technological University, USA

Keynote Address I: Supercomputing Developments in the World

Current Status in the U.S.

Mr. William C. Norris
Control Data Corporation, USA

Current Status in Europe

Dr. Iann Barron
International Consortium INMOS, UK

Current Status in Japan

Dr. K. Kobayashi
NEC Corporation, Japan

Keynote Address II: International Cooperation in Supercomputing

Viewpoint of the Host Country

Viewpoint of the International Supercomputing Community

Chancellor Luigi Dadda
Milano Polytechnic, Italy

Introduction of the Technical Program

Professor Lana Kartashev & Dr. Steven Kartashev
Dynamic Computer Architecture, Inc., USA

State-of-the-Art Plenary Reports: Technology Trends and Assessments

Survey of Current and Future Supercomputers

Dr. Sidney Fernbach
Control Data Corporation, USA

Supercomputer Applications

Dr. Robert Borchers
Lawrence Livermore Laboratory, USA

Artificial Intelligence

Professor Edward A. Feigenbaum
Stanford University, USA

Computer Architecture

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Dynamic Computer Architecture, Inc., USA

Components and Technology

Software Engineering

Professor Alan Perlis
Yale University, USA

Parallel Algorithms and Computations

Dr. John P. Riganati
National Bureau of Standards, USA

Second Day of Technical Program / Wednesday, December 18, 1985

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TRAINING AND EDUCATION IN THE SUPERCOMPUTING AGE

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Professor John Lott Brown
University of South Florida, USA

Speakers from Academia:

U.S. Viewpoint on the Interaction Between the User Community and Academia

Professor Ken Wilson, *Cornell University, USA*

Japanese Viewpoint on the Optimal Cooperation between Industry and Academia

Professor Hideo Aiso, *Keio University, Japan*

European Viewpoint on the Effect of Supercomputers on the Organization of Computer Education in Europe

Professor Dennis Parkinson, *University of London, UK*

Speakers from Industry:

Industrial Viewpoint on the Type of Educational Standards That Must be Maintained in the Supercomputing Age

Mr. Robert Dryden, *Boeing Computer Services, USA*
Dr. Sidney Fernbach, *Control Data Corporation, USA*
Dr. E.R. (Rex) Kruger, *Control Data Corporation, USA*

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Professor Rafael Portaencase, *Madrid Magnifico University Polytechnica, Spain*
Professor George Russel, *University of Missouri, USA*
Professor Bernard Sliger, *Florida State University, USA*
Professor Mike Mulder, *Computer Magazine, USA*
Professor Derek Wilson, *Polytechnic of Central London, UK*

Industry:

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Mr. Lloyd M. Thorndyke, *ETA Systems, Inc., USA*
Mr. Marcelo Gumucio, *Cray Research, USA*
Dr. Steven Kartashev, *Dynamic Computer Architecture, Inc., USA*

Third Day of Technical Program / Thursday, December 19, 1985

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