1985 SIGAda
INTERNATIONAL CONFERENCE
14, 15, 16 MAY
PARIS, FRANCE

TUESDAY, MAY 14, 1985

Registration
Opening Addresses
Keynote Address — Jean Ichbiah (Alsys)

Session 1: Ada Use in Europe
IT Companies Acceptance of and Attitudes Towards Ada, and Some Related Aspects of the Software Market Place
M.W. Rogers, R. Pienmicka (ITTIF, CEC)

Session 2: Database Applications
Experiences in Building a Relational Database Management System in Ada
Olivier Poutatien, Kari-Matti Vanrannik, Tapio Valimaki (Oy Softplan AB)
A Database for an Ada Programming Environment
Kylli-Hakan Nafett (University of Lulea), Dick Schefstrom (TeleLogic AB)
A Tool Kit for Database Programming in Ada
John M. Smith, Arvilia Chan, Sy Danberg, Stephen Fox, Anil Non (Computer Corporation of America)

Session 3: Applications to Distributed Systems
Highly Parallel Ada — Ada on a Ultracomputer
Ede Schonberg, Edmond Schonberg (Courant Institute of Mathematical Sciences, New York University)
Some Problems in Distributing Real-Time Ada Programs Across Machines
Richard A. Volo, Trevor N. Mudge, John H. Mayer (Center for Robotics and Integrated Manufacturing, University of Michigan)
Use of Ada in the Design of Distributed Systems
Paola Inverardi, S. Mazzanti, C. Montangero (IEC/EN)

WEDNESDAY, MAY 15, 1985

Session 4: Ada Debugging
Saving Traces for Ada Debugging
Carol L. LeDoux, D. Scott Parker, Jr. (University of California at Los Angeles)
Execution Monitoring and Debugging Tool for Ada Using Relational Algebra
A. D’Majo, S. Crespi Reghizzi (Polytechnical Dr Milano)
An Event Driven Debugger for Ada
C. Mauger, K. Pannet (Alsys S.A.)

Session 5: Application and Evaluation
Ada and the Graphical Kernel System
Thomas M. Leonard (Harris Corporation)
An Approach for Evaluating the Performance Efficiency of Ada Compilers
Mitchell J. Bassman, Gerald A. Fisher Jr., Anthony Gargar (Computer Sciences Corporation)
The Efficiency of Storage Management Schemes for Ada Programs
Rajiv Gupta, Mary Lou Sofia (University of Pittsburgh)

Session 6: Ada Design Methods
An Overview and Example of Application of CADA: A New Design Environment for Ada — R. J. A. Buhr, G. M. Karam (Carleton University)
Specification of Ada Packages
Friedrich W. von Henke (SRI International and Stanford University)
Programming Large and Flexible Systems in Ada
Oliver Roubine (Informatique Internationale)

Session 7: Ada Education
Lessons from Practical Experience Teaching Hands-On, Real Time Embedded System Programming With Ada
R.J.A. Buhr (Carleton University)
In Search of ‘Real’ Ada — A Software Saga with a Moral or Two
Bryan M. Bardin, Marion F. Moon (Hughes Aircraft Company)
Developing an Automated Ada Training Product
Benjamin M. Brosigol (Alsys, Inc.), Rene Beretz (Alsys, S.A.)

THURSDAY, MAY 16, 1985

Session 8: Ada Language Issues
Viewing Ada from a Process Model Perspective
Robert E. Strom, Shaulla Yemin (IBM Research)
Peter Wegner (Brown University)
TSL: Task Sequencing Language
David Heimbold, David Luckham (Stanford University)
Automatic Language Conversion and Its Place in the Transition to Ada
Peter J. Wallis (University of Bath)

Session 9: Ada Design and Implementation Tools
An Implementation of ANNA
Srinath Sanker, David Rosenblum, Randall Neff (Stanford University)
A Tool for Ada Program Manipulations: Mentor—Ada
V. Donezgui-Gouge, B. Lang (INRIA)
Ada in the ECLIPSE Programming Support Environment
R. H. Pierce (Software Sciences Limited)

Session 10: Ada Compiler Implementation
The Development of an Ada Front End for Small Computers
Jorgen Bundgaard, Ida Odin Hansen, Jesper Jorgensen (Dansk Datatik Center)
A Runtime Supervisor to Support Ada Tasking
G. A. Riccardi, T. P. Baker (Florida State University)
The Ada Front End and Code Generator
William Maddox, Mario Barbacci, Thomas Newton, Robert Stockton (Carnegie Mellon University)
The ALS Ada Compiler Global Optimizer — David Tafts (SoftTech, Inc.)
Ada is a trademark of US Government Ada Joint Program Office

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