ADA-EUROPE'96 — FINAL PROGRAM

Time	Track I	Track II
	MONDAY, JUNE 10, 1996	
18:00 19:30	WELCOME AND OPENING SESSION Welcome address, John Barnes, President of Ada-Europe Welcome address, Alfred Strohmeier, Conference Chair	
	PROGRAMMING THE INTERNET IN ADA 95 — 1 S. Tucker Taft	
	GNAT-TAIL PARTY, COCKTAIL SPONSORED BY ACT-EUROPE	
	TUESDAY, JUNE 11, 1996	
8:30 9:30	RELIABILITY MODELING FOR SAFETY CRITICAL SYSTEMS — 17 Dr. Norman F. Schneidewind	
	Exhibition Opening	
10:30 12:30	SOFTWARE DEVELOPMENT METHODS *(session chair: Ed Colbert)* Iterative Software Development for Large Ada Programs — 101 *Philippe Kruchten, Christopher J. Thompson* HCSD Unit Development Process: Step-Wise Process Improvement — 111 *David Emery, Jaswinder S. Madhur* An Approach to Increasing Software Component Reusability in Ada — 89 *Hyoseob Kim, Cornelia Boldyreff* Mapping HRT-HOOD Designs to Ada 95 Hierarchical Libraries — 78 *Juan Antonio de la Puente, Alejandro Alonso, Angel Alvarez*	
	Lunch	
14:00 15:30	COMPILERS AND TOOLS *(session chair: Michael Gonzalez Harbour)* ASIS for GNAT: From the Prototype to the Full Implementation — 298 *Sergey Rybin, Alfred Strohmeier, Alexey Kuchumov, Vasily Fofanov* Handling Irregular Grammars in Ada — 312 *Drasko Sotirovski, Philippe Kruchten* Interprocedural Call Optimization — 319 *Tim Birus, Christine Cipriani, Dean Sutherland*	EXPERIENCE REPORTS I *(session chair: Mark S. Gerhardt)* The Funds Management Modernization: Experiences with Developing an Object-Oriented, Client-Server Management Information System in Ada 95 — 427 *Chad Bremmon* Converting the Part Task Nautical Simulator to Ada 95 — 439 *Kor Molenmaker* Visibility Control and Migration of Interfaces in Large Ada Systems — 451 *Vincent Celier*
	Afternoon Break and Vendor Session	
16:30 18:00	INTERFACING WITH OTHER WORLDS *(session chair: Erhard Ploedereder)* Ada/O2 Coupling: A Solution for an Efficient Management of Persistence in Ada 83 — 396 *Thierry Millan, Pierre Bazex* Interoperability of C++ Classes and Ada Tagged Types — (extra notes) *Robert Dewar, Cyrille Comar* An Ada 95 Harness for Converting Legacy Fortran Applications — 413 *Bernd Gliss*	EXPERIENCE REPORTS II *(session chair: Charlene Roberts-Hayden)* Ada Tasking and Dynamic Memory: To Use or Not To Use, That's a Question! — 460 *Philippe Waroquiers* Experiences Applying a Practical Architectural Method — 471 *David E. Emery, Richard F. Hilliard II, Timothy B. Rice* A Decade of Development and Deployment of Distributed Ada Systems — 485 *John D. Smart*
18h00 19h00	ADA-EUROPE GENERAL ASSEMBLY	
19h30 late	VENDOR HOSPITALITY SUITES	

ADA-EUROPE'96 — FINAL PROGRAM

WEDNESDAY, JUNE 12, 1996

Time	Track I	Track II
8:30 9:30	FAULT-TOLERANCE BY REPLICATION IN DISTRIBUTED SYSTEMS 38 André Schiper	
	Morning Break and Vendor Session	
10:30 12:30	DISTRIBUTED SYSTEMS *(session chair: Laurent Pautet)* Secure Communication in Distributed Ada 198 *Jörg Kienzle, Thomas Wolf, Alfred Strohmeier* Using Object-Oriented Methods in Ada 95 to Implement Linda 211 *Kristina Lundqvist, Göran Wall* Shared Packages Through Linda 223 *Göran Wall, Kristina Lundqvist* Drago: An Ada Extension to Program Fault-Tolerant Distributed Applications 235 *Francisco J. Miranda, Angel Alvarez, Sergio Averalo, Francisco J. Guerra*	VERIFICATION AND VALIDATION *(session chair: Stéphane Barbey)* A Framework for Testing Object-Oriented Software Using Formal Specifications 159 *Rohan Fletcher, A.S.M. Sajeev* On Some Characterisation Problems of Subdomain Testing 147 *T. Y. Chen, Y. T. Yu* Testing Ada 95 Programs for Conformance to Rapide Architectures 123 *Neel Madhav* Tasking Deadlocks in Ada 95 Programs and Their Detection 135 *Jingde Cheng, Kazuo Ushijima*
	Lunch	
14:00 15:30	SAFETY & SECURITY *(session chair: Lars Asplund)* Ada 95 and Critical Systems: An Analytical Approach 171 *Dan Craigen, Mark Saaltink, Steve Michell* The Use of Ada in Critical Systems, such as the TGV (Extra notes) *Hervé Legall, Gilles Legoff, Marc Richard-Foy* Use of a Static Analysis Tool for Safety-Critical Ada Applications: A Critical Assessment 183 *Alfred Rosskopf*	ASIS PANEL — WHAT IS ASIS *(co-chairs: Currie Colket and Sergey Rybin)* (Extra notes) *Mr. Pascal Leroy, Rational Software Corporation* *Mr. Bertrand Petitprez, Sema Group Grenoble* *Mr. Clyde Roby, Institute for Defense Analyses* *Mr. Jesper Jorgensen, DDC-I* *Mr. Tom Strelich, GRC* *Mr. Bill Thomas, MITRE*
	Afternoon Break and Vendor Session	
16:30 18:00	THE ADA 95 PROGRAMMING LANGUAGE I *(session chair: Stef Van Vlierberghe)* Beyond Ada 95: The Addition of Persistence and Its Consequences 342 *Michael J. Oudshoorn, Stephen C. Crawley* An Ada 95 View of Some Difficult or Controversial Points in Object-Oriented Programming 370 *Patrick de Bondeli* Extending the Object-Orientedness of Ada 95 357 *Bernd Holzmueller*	ASIS PANEL — ASIS USAGE EXPERIENCE *(co-chairs: Currie Colket and Sergey Rybin)* (Extra notes)
18h45	Bus Departure for Banquet	
19:00 23:30	BANQUET AT THE CHATEAU DU CHATELARD	

ADA-EUROPE'96 — FINAL PROGRAM

THURSDAY, JUNE 13, 1996		
Time	**Track I**	**Track II**
8:30 9:30	ADA 95: AN EFFECTIVE CONCURRENT PROGRAMMING LANGUAGE — 58 Alan Burns	
	Morning Break and Vendor Session	
10:30 12:30	REAL-TIME SYSTEMS *(session chair: Jean-Pierre Rosen)* The Dining Philosophers in Ada 95 — 247 *Benjamin M. Brosgol* Using Ada 95 for Prototyping of Real-Time Systems — 262 *Jorge Real, Agustin Espinosa, Alfons Crespo* The GNARL Implementation of POSIX/Ada Signal Services — 275 *Dong-Ik Oh, Ted P. Baker, Seung-Jin Moon* Implementing Protected Types on Embedded Targets — 287 *David Mundie, John Fardo, Ed Kuzemchak*	
	Lunch Exhibition closes	
14:00 15:30	THE BUSINESS CASE FOR ADA (PANEL) *(session chair: Bob Mathis)* *Rudolf Landwehr, CCI, Germany* *Nasser Kettani, Rational, France* *Franco Gasperoni, ACT/Europe* *Bob Mathis, ARA, USA*	THE ADA 95 PROGRAMMING LANGUAGE II *(session chair: Angel Alvarez)* Where Does GOTO Go to? — 385 *Wolfgang Gellerich, Markus Kosiol, Erhard Ploedereder* Augmenting Ada 95 with Additional Real-Time Features — 330 *Johann Blieberger, Roland Lieger, Bernd Burgstaller* Planning the Transition to Ada 95 for a Large Real-Time Project — 500 *Roland Feith, Michael Tonndorf*
	Afternoon Break	
16:30 18:00	CLOSING SESSION TRANSITIONING THE AJPO Dr. Charles Engle, Director of the Ada Joint Program Office (Director, AJPO)	
	Best paper and best presentation awards, John Barnes, President of Ada-Europe Farewell address, John Barnes, President of Ada-Europe	

CONFERENCE DESK OPENING HOURS

Sunday	17h00-19h00
Monday	8h00-20h00
Tuesday to Thursday	8h00-18h00
Friday	8h00-14h00

ADA-EUROPE'96 — FINAL PROGRAM

TUTORIAL, WORKSHOP & JOINT EVENTS PROGRAM

Time	Tutorial	Tutorial II	Tutorial III	Workshop	Joint Events (Eurotel Riviera)
			MONDAY, JUNE 10, 1996		
8:30 12:00	**OOP with Ada 95 and other gOODies** John Barnes	**Object Technology Project Management** Richard T. Dué	**Real-Time and Distributed Features of Ada 95** Joyce Tokar		**ASIS Working Group Meeting**
			Lunch Break		
13:30 17:00	*(continued)*	*(continued)*	*(continued)*	**Design Patterns for Active Objects** Chaired by Mark Gerhardt and Rich Hilliard	*(continued)*
			THURSDAY, JUNE 13, 1996		
14:00 17:30				**Design and Coding Guidelines for Ada 95** Chaired by Philippe Kruchten	
			FRIDAY, JUNE 14, 1996		
8:30 12:00	**Software Architecture and Iterative Development** Philippe Kruchten	**Task Schedulability Analysis** Vance Christiaanse	**Writing Java™-Compatible Applets in Ada 95** S. Tucker Taft		**ISO WG9 Meeting**
			Lunch Break		
13:30 17:00	*(continued)*	**Information Systems Programming in Ada 95** Ben Brosgol	**Real-Time Posix** Michael Gonzalez-Harbour		*(continued)*
			SATURDAY, JUNE 15,— MONDAY, JUNE 16 1996		
8:30 12:00					**ARG Meeting**
			Lunch Break		
13:30 17:00					*(continued)*