

Table of Contents

Finite Unions for Ada 95 B. Holzmüller, E. Plöedereder	1
Ada Bindings for C Interfaces: Lessons Learned from the Florist Implementation T. P. Baker, D. I. Oh	13
An Ada 95 Sort Race Construction Set M. B. Feldman	23
Computer Aided Teaching of Programming Languages: An Ada-specific Development J. E. Cooling, N. Duff, J. Cooling	35
The SPIF Project B. Dupouy, O. Hainque, L. Pautet, S. Tardieu	46
Developing Scripting Capabilities for an Ada-Based Simulator S. S. Jovanovic, D. M. Sotirovski, P. van Aswegen	56
Systematic Unit-Testing of Ada Programs J. Wegener, I. Fey	64
Ada 95 as a Base to Architect Systems in O4S™ I. Ögren	76
Including Non-functional Issues in Anna/Ada Programs for Automatic Implementation Selection X. Franch	88
Semantics-Based Support Tools for High Integrity Ada Software W. L. Yeung	100
An Alternative Toolset for Analysis of Ada Programs A. E. Bell	112
Implementing Application-Level Sporadic Server Schedulers in Ada 95 M. González Harbour, J. J. Gutiérrez García, J. C. Palencia Gutiérrez	125
Capturing and Verifying Performance Requirements for Hard Real Time Systems R. H. Pierce, S. Ayache, R. Ward, J. Stevens, H. Clifton J. Galle	137

Task Termination in Ada 95 A. J. Wellings A. Burns, O. Pazy	149
Parameter-Induced Aliasing and Related Problems Can Be Avoided W. Gellerich, E. Plöedereder	161
Towards an Integration of Syntactic Constructs and Structural Features for Formalised Object-Oriented Methods K. S. Cheung, K. O. Chow, T. Y. Cheung	173
The Dangers of Inheritance J. English	185
CCO-MARS'96 Integrating HOOD, Ada and XInAda in a full Ada Operational Software Project P. Pichon	196
Code-Data Consistency in Ada V. M. Celier, D. Sotirovski, C. J. Thompson	209
Supporting Ada 95 Passive Partitions in a Distributed Environment F. Mueller	218
An Ada Library to Program Fault-Tolerant Distributed Applications F. Guerra, J. Miranda, A. Alvarez, S. Arévalo	230
T-Smart - Task-Safe, Minimal Ada Realtime Toolset B. Dobbing, M. Richard-Foy	244
On Programming Atomic Actions in Ada 95 A. Romanovsky, S. E. Mitchell, A. J. Wellings	254
Static Analysis and Diversity in the Software Development Process - Experiences with the Use of SPARK J. P. Thornley	266
Techniques for Testing Ada 95 S. R. Waterman	278
Author Index	293