

Reliable Software Technologies Ada Europe 2011 16th Ada Europe International Conference On Reliable Software Technologies Edinburgh Uk June Lecture Notes In Computer Science Pdf

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Reliable Software Technologies - Ada-Europe '99 Aug 11 2020 The Fourth International Conference on Reliable Software Technologies, Ada-Europe '99, took place in Santander, Spain, from June 7 to 11, 1999. It was sponsored by Ada Europe, the European federation of national Ada societies, in cooperation with ACM SIGAda and Ada Spain, and it was organized by members of the University of Cantabria and the Technical University of Madrid, in Spain. This was the 19th consecutive year of Ada Europe conferences, which have always been the main Ada events in Europe, with their counterparts being the ACM SIGAda conferences in the USA (formerly Tri Ada). The conference is not just devoted to the Ada language, but rather to the more general area of reliable software technologies. In this sense, there are papers on formal methods, testing, software architectures and design, software engineering tools, etc. We believe that the role of reliable software technologies is becoming increasingly important, as computer applications control more and more of our everyday systems. The goal of our conference is to contribute to advancing the state of the art of all the technologies that help us in achieving better and more reliable software at a lower overall cost.

Reliable Software Technologies - Ada-Europe 2004 Jul 10 2020 The Ninth International Conference on Reliable Software Technologies, Ada-Europe 2004, took place in Palma, Spain, June 14-18, 2004. It was sponsored by Ada-Europe, the European federation of national Ada societies, and Ada- Spain, in cooperation with ACM SIGAda. It was organized by members of the University of the Balearic Islands (UIB). As in past years, the conference comprised a three-day technical program, during which the papers contained in these proceedings were presented, along with vendor presentations. The technical program was bracketed by two tutorial days, when the attendees had the opportunity to catch up on a variety of topics related to the field, at both introductory and advanced levels. Furthermore, the conference was accompanied by an exhibition where vendors presented their products for supporting reliable-software development. Invited Speakers

The conference presented four distinguished speakers, who delivered state-of-the-art information on topics of great importance, both for now and for the future of software engineering: - S. Tucker Taft, SoftCheck Inc., USA Fixing software before it breaks: using static analysis to help solve the software quality quagmire - Martin Gogolla, University of Bremen, Germany Benefits and problems of formal methods - Antoni Olivé, Polytechnical University of Catalonia, Spain On the role of conceptual schemas in information systems' development - Stephen Vinoski, IONA Technologies in Waltham, USA Can middleware be reliable?

We would like to express our sincere gratitude to these distinguished speakers, well known to the community, for sharing their insights with the conference participants. Submitted Papers

A large number of papers were submitted, from as many as 15 different countries

Reliable Software Technologies - Ada-Europe 2010 Mar 06 2020

Annotation This book constitutes the proceedings of the 15th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2010, held in Valencia, Spain, on June 14-18, 2010. The 17 papers presented were carefully reviewed and selected from 40 submissions. Topics of interest to the conference are software dependability, critical, real-time and distributed systems, and language technology, all under

the more general heading of Reliable Software Technologies.

Reliable Software Technologies, Ada-Europe ... Aug 30 2019

Reliable Software Technologies -- Ada-Europe 2006 Nov 06 2022

This book constitutes the refereed proceedings of the 11th International Conference on Reliable Software Technologies, Ada-Europe 2006, held in Porto, Portugal, in June 2006. The 19 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on real-time systems, static analysis, verification, applications, reliability, compilers, and distributed systems.

Reliable Software Technologies - Ada-Europe '97 Sep 23 2021

This book constitutes the refereed proceedings of the 1997 Ada-Europe International Conference on Reliable Software Technologies, held in London, UK, in June 1997. The 25 revised full papers presented were carefully selected for inclusion by the program committee. All current issues explored in the Ada community are addressed; beyond the Ada language aspects, software engineering technologies for reliable and for reactive systems are discussed in a more general context.

Reliable Software Technologies - Ada-Europe 2016 Feb 26 2022

This book constitutes the refereed proceedings of the 21st Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2016, held in Pisa, Italy, in June 2016. The revised 12 full papers presented together with one invited paper were carefully reviewed and selected from 28 submissions. They are organized in topical sections on concurrency and parallelism, testing and verification, program correctness and robustness, and real-time systems.

Reliable Software Technologies - Ada-Europe 2009 Oct 13 2020

This book constitutes the proceedings of the 14th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2009, held in Brest, France, on June 8-12, 2009. The 19 papers presented were carefully reviewed and selected from numerous submissions. Topics of interest to the conference are methods and techniques for software development and maintenance; software architecture; enabling technology; software quality; theory and practice of high-integrity systems; embedded systems; mainstream and emerging applications; ada language and technology; ada and education.

Reliable Software Technologies - Ada-Europe 2002 Jun 01 2022

This book constitutes the refereed proceedings of the 7th International Conference on Reliable Software Technologies, Ada-Europe 2002, held in Vienna, Austria, in June 2002. The 24 revised full papers presented together with four invited papers were carefully reviewed and selected for inclusion in the proceedings. The papers are organized in topical sections on embedded systems, case studies, real-time systems, high-integrity systems, Ada language issues, program analysis, tools, distributed systems, and libraries and APIs.

Reliable Software Technologies - Ada-Europe 2004 Sep 04 2022

This book constitutes the refereed proceedings of the 9th International Conference on Reliable Software Technologies, Ada-Europe 2004, held in Palma de Mallorca, Spain in June 2004. The 23 revised full papers presented together with 3 invited papers were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on static analysis, distributed systems, real-time systems, reflection and XML, testing, critical systems modeling, scheduling, and application programming interfaces.

Reliable Software Technologies - Ada-Europe 2008 Jun 08 2020 th The 13

edition of the International Conference on Reliable Software Technologies (Ada-Europe 2008) marked its arrival in Italy by selecting the splendid venue of Venice. It did so after having been hosted twice in Switzerland, Spain and the UK (Montreux for its inauguration in 1996 and Geneva in 2007; Santander in 1999 and Palma de Mallorca in 2004; London in 1997 and York in 2005), and having visited Sweden (Uppsala, 1998), Germany (Potsdam, 2000), Belgium (Leuven, 2001), Austria (Vienna, 2002), France (Toulouse, 2003) and Portugal (Porto, 2006). It was certainly high time that the conference came to Italy! The conference series, which is run and sponsored by Ada-Europe, chooses its yearly venue following two driving criteria: to celebrate the activity of one of its national member societies in a particular country, and/or to facilitate the formation, or the growth, of a national community around all aspects of reliable software technologies. The success of this year's conference, beside the richness of its technical and social program, will thus be measured by its lasting effects. We can only hope that the latter will be as good and vast as the former! Owing to the absence of a national society associated with Ada-Europe in Italy, the organization of the conference was technically sustained by selected members of the Board of Ada-Europe, its governing body, with some invaluable local support.

Reliable Software Technologies - Ada-Europe 2018 Mar 30 2022

This book constitutes the proceedings of the 23rd Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2018, held in Lisbon, Portugal, in June 2018. The 10 papers presented in this volume were carefully reviewed and selected from 27 submissions. They were organized in topical sections named: safety and security; Ada 202X; handling implicit overhead; real-time scheduling; and new application domains.

Reliable Software Technologies - Ada-Europe 2015 Sep 11 2020

This book constitutes the refereed proceedings of the 20th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2015, held in Madrid, Spain, in June 2015. The revised 12 full papers presented together with two keynotes were carefully reviewed and selected from 36 submissions. They are organized in topical sections on language technology, real-time applications, critical systems, and multicore and distributed systems.

Reliable Software Technologies - Ada-Europe 2007 Apr 06 2020

Reliable Software Technologies is an annual series of international conferences devoted to the promotion and advancement of all aspects of reliable software technologies. The objective of this series of conferences, initiated and sponsored by Ada-Europe, the European federation of national Ada societies, is to provide a forum to promote the development of reliable softwares both as an industrial technique and an academic discipline. Previous editions of the Reliable Software Technologies conference were held in: Porto (Portugal) in 2006, York (UK) in 2005, Palma de Mallorca (Spain) in 2004, Toulouse (France) in 2003, Vienna (Austria) in 2002, Leuven (Belgium) in 2001, Potsdam (Germany) in 2000, Santander (Spain) in 1999, Uppsala (Sweden) in 1998, London (UK) in 1997 and Montreux (Switzerland) in 1996. The 12th International Conference on Reliable Software Technologies took place in Geneva, Switzerland, June 25-29, 2007, under the continued sponsoring of Ada-

Europe, in cooperation with ACM SIGAda. It was organized by members of the University of Applied Sciences, Western Switzerland (Engineering School of Geneva), in collaboration with colleagues from various places in Europe. The 13th conference, in 2008, will take place in Venice, Italy.

Reliable Software Technologies - Ada-Europe '99 Jul 02 2022 This book constitutes the refereed proceedings of the 1999 Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe '99, held in Santander, Spain in June 1999. The 36 revised full papers presented together with an invited contribution were carefully reviewed and selected from a large number of submissions. All current issues associated with the Ada programming language are addressed. The papers are organized in sections on Ravenscar profile and high-integrity systems, software architectures and design, testing, formal methods, education, distributed systems, real-time scheduling and kernels, tools, hardware/software codesign, fault-tolerance, and case studies.

Reliable Software Technologies - Ada-Europe 2004 Dec 15 2020 The Ninth International Conference on Reliable Software Technologies, Ada-Europe 2004, took place in Palma, Spain, June 14-18, 2004. It was sponsored by Ada-Europe, the European federation of national Ada societies, and Ada- Spain, in cooperation with ACM SIGAda. It was organized by members of the University of the Balearic Islands (UIB). As in past years, the conference comprised a three-day technical program,

during which the papers contained in these proceedings were presented, along with vendor presentations. The technical program was bracketed by two tutorial days, when the attendees had the opportunity to catch up on a variety of topics related to the field, at both introductory and advanced levels. Furthermore, the conference was accompanied by an exhibition where vendors presented their products for supporting reliable-software development. Invited Speakers

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We would like to express our sincere gratitude to these distinguished speakers, well known to the community, for sharing their insights with the conference participants. Submitted Papers

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Reliable Software Technology - Ada-Europe 2005 Dec 27 2021 This book constitutes the refereed proceedings of the 10th International Conference on Reliable Software Technologies, Ada-Europe 2005, held in York, UK in June 2005. The 21 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on applications, design and scheduling, formal methods, Ada and education, certification and verification, distributed systems, language aspects, and Ravenscar technology.

Reliable Software Technologies - Ada-Europe 2002 Nov 13 2020 This book constitutes the refereed proceedings of the 7th International Conference on Reliable Software Technologies, Ada-Europe 2002, held in Vienna, Austria, in June 2002. The 24 revised full papers presented together with four invited papers were carefully reviewed and selected for inclusion in the proceedings. The papers are organized in topical sections on embedded systems, case studies, real-time systems, high-integrity systems, Ada language issues, program analysis, tools, distributed systems, and libraries and APIs.

Reliable Software Technologies Ada-Europe 2000 Jul 22 2021 This book constitutes the refereed proceedings of the 5th International Conference on Reliable Software Technologies, Ada-Europe 2000, held in Potsdam, Germany, in June 2000. The 23 revised full papers presented were carefully reviewed and selected from a large number of submissions. The papers are organized in topical sections on real-time and safety-critical systems, tools, APIs and components, ASIS, risk and reliability management, UML, formal analysis, methods, and software testing.

Reliable Software Technologies - Ada-Europe 2017 Aug 23 2021 This book constitutes the refereed proceedings of the 22nd Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2017, held in Vienna, Austria, in June 2017. The revised 15 full papers presented were carefully reviewed and selected from 37 submissions. They are organized in topical sections on runtimes, safety and security, timing verification, programming models, the future of safety-minded languages, mixed criticality.

Reliable Software Technologies -- Ada-Europe 2006 Dec 03 2019 This book constitutes the refereed proceedings of the 11th International Conference on Reliable Software Technologies, Ada-Europe 2006, held in Porto, Portugal, in June 2006. The 19 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on real-time systems, static analysis, verification, applications, reliability, compilers, and distributed systems.

Reliable Software Technologies -- Ada-Europe 2003 Aug 03 2022 The refereed proceedings of the 8th International Conference on Reliable Software Technologies, Ada-Europe 2003, held in Toulouse, France in June 2003. The 29 revised full papers presented together with 3 invited papers were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on Ravenscar, language issues, static analysis, distributed information systems, software metrics, software components, formal specification, real-time kernel, software testing, and real-time systems design.

Reliable Software Technologies -- Ada-Europe 2012 Nov 01 2019 This book constitutes the refereed proceedings of the 17th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2012, held in Stockholm, Sweden, in June 2012. The revised 15 full

papers presented were carefully reviewed and selected from 34 submissions. They are organized in topical sections on application frameworks, use of ada, modeling, testing and validation, and real-time systems.

Proceedings of 4th Annual National Conference on Ada Technology Jun 28 2019

Reliable Software Technologies, Ada-Europe ... Feb 14 2021

Reliable Software Technologies - Ada-Europe 2014 Nov 25 2021 This book constitutes the refereed proceedings of the 19th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2014, held in Paris, France, in June 2014. The revised 12 full papers presented together with two keynotes were carefully reviewed and selected from 68 submissions. They are organized in topical sections on formal methods; uses of ada; real-time scheduling; applications.

Reliable Software Technologies - Ada-Europe 2008 Apr 30 2022

This book constitutes the refereed proceedings of the 13th International Conference on Reliable Software Technologies, Ada-Europe 2008, held in Venice, Italy, in June 2008. The 20 revised full papers presented were carefully reviewed and selected from numerous submissions. The conference proceedings published in this volume cover topics ranging from formal verification to real-time systems via concurrency, embedded systems, language technologies, model-driven engineering and applications of Petri Nets.

Reliable Software Technologies - Ada-Europe '98 Jun 20 2021 This book presents the refereed proceedings of the 1998 Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe'98, held in Uppsala, Sweden, in June 1998. The 23 revised full papers presented together with two invited contributions were carefully selected by the program committee. The papers address all current aspects of the Ada programming language; they are organized in sections on Ada 95 and Java, Ada 95 language and tools, distributed systems, real-time systems, case studies and experiments, software quality, software development, software architectures, and high integrity systems.

Reliable Software Technologies - Ada-Europe 2007 Mar 18 2021 Reliable Software Technologies is an annual series of international conferences devoted to the promotion and advancement of all aspects of reliable software technologies. The objective of this series of conferences, initiated and sponsored by Ada-Europe, the European federation of national Ada societies, is to provide a forum to promote the development of reliable softwares both as an industrial technique and an academic discipline. Previous editions of the Reliable Software Technologies conference were held in: Porto (Portugal) in 2006, York (UK) in 2005, Palma de Mallorca (Spain) in 2004, Toulouse (France) in 2003, Vienna (Austria) in 2002, Leuven (Belgium) in 2001, Potsdam (Germany) in 2000, Santander (Spain) in 1999, Uppsala (Sweden) in 1998, London (UK) in 1997 and Montreux (Switzerland) in 1996. The 12th International Conference on Reliable Software Technologies took place in Geneva, Switzerland, June 25-29, 2007, under the continued sponsoring of Ada-

Europe, in cooperation with ACM SIGAda. It was organized by members of the University of Applied Sciences, Western Switzerland (Engineering School of Geneva), in collaboration with colleagues from various places in Europe. The 13th conference, in 2008, will take place in Venice, Italy.

Reliable Software Technologies - Ada-Europe 2008 Jan 16 2021 The 13th edition of the International Conference on Reliable Software Technologies (Ada-Europe 2008) marked its arrival in Italy by selecting the splendid venue of Venice. It did so after having been hosted twice in Switzerland, Spain and the UK (Montreux for its inauguration in 1996 and Geneva in 2007; Santander in 1999 and Palma de Mallorca in 2004; London in 1997 and York in 2005), and having visited Sweden (Uppsala, 1998), Germany (Potsdam, 2000), Belgium (Leuven, 2001), Austria (Vienna, 2002), France (Toulouse, 2003) and Portugal (Porto, 2006). It was certainly high time that the conference came to Italy! The conference series, which is run and sponsored by Ada-Europe, chooses its yearly venue following two driving criteria: to celebrate the activity of one of its national member societies in a particular country, and/or to facilitate the formation, or the growth, of a national community around all aspects of reliable software technologies. The success of this year's conference, beside the richness of its technical and social program, will thus be measured by its lasting effects. We can only hope that the latter will be as good and vast as the former! Owing to the absence of a national society associated with Ada-Europe in Italy, the organization of the conference was technically sustained by selected members of the Board of Ada-Europe, its governing body, with some invaluable local support.

Reliable Software Technologies - Ada-Europe 2011 May 08 2020 This book constitutes the refereed proceedings of the 16th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2011, held in Edinburgh, UK, on June 20-24, 2011. The revised 12 papers presented together with several invited contributions were carefully reviewed and selected from 30 submissions. Topics of interest to the conference are methods and techniques for software development and maintenance ; software architectures; enabling technologies; software quality; theory and practice of high-integrity systems; embedded systems; mainstream and emerging applications; experience reports; the future of Ada.

Reliable Software Technologies - Ada-Europe 2011 Oct 25 2021

This book constitutes the refereed proceedings of the 16th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2011, held in Edinburgh, UK, on June 20-24, 2011. The revised 12 papers presented together with several invited contributions were carefully reviewed and selected from 30 submissions. Topics of interest to the conference are methods and techniques for software development and maintenance ; software architectures; enabling technologies; software quality; theory and practice of high-integrity systems; embedded systems; mainstream and emerging applications; experience reports; the future of Ada.

Reliable Software Technologies - Ada Europe 96 Oct 05 2022

Content Description #Includes bibliographical references and index.

Reliable Software Technologies - Ada-Europe 2001 Jan 28 2022

The Sixth International Conference on Reliable Software Technologies, Ada-Europe 2001, took place in Leuven, Belgium, May 14-18, 2001. It was sponsored by Ada-Europe, the European federation of national Ada societies, in cooperation with ACM SIGAda, and it was organized by members of the K.U. Leuven and Ada- Belgium. This was the 21st consecutive year of Ada-Europe conferences and the sixth year of the conference focusing on the area of reliable software technologies. The use of software components in embedded systems is almost ubiquitous: planes fly by wire, train signalling systems are now computer based, mobile phones are digital devices, and biological, chemical, and manufacturing plants are controlled by software, to name only a few examples. Also other, non-embedded, mission-critical systems depend more and more upon software. For these products and processes, reliability is a key success factor, and often a safety-critical hard requirement. It is well known and has often been experienced that quality cannot be added to software as a mere afterthought. This also holds for reliability. Moreover, the reliability of a system is not due to and cannot be built upon a single technology. A wide range of approaches is needed, the most difficult issue being their purposeful integration. Goals of reliability must be precisely defined and included in the requirements, the development process must be controlled to achieve these goals, and sound development methods must be used to fulfill these non-functional requirements.

Reliable Software Technology - Ada-Europe 2005 Oct 01 2019 Started on the inspired initiative of Prof. Alfred Strohmeier back in 1996, and spawned from the annual Ada-Europe conference that had previously run for 16 consecutive years, the International Conference on Reliable Software Technologies celebrated this year its tenth anniversary by going to York, UK, where the first series of technical meetings on Ada were held in the 1970s. Besides being a beautiful and historical place in itself, York also hosts the Department of Computer Science of the local university, whose Real-Time Group has been tremendously influential in shaping the Ada language and in the progress on real-time computing worldwide. This year's conference was therefore put together under excellent auspices, in a very important year for the Ada community in view of the forthcoming completion of the revision process that is upgrading the language standard to face the challenges of the new millennium. The conference took place on June 20-24, 2005. It was as usual sponsored by Ada-Europe, the European federation of national Ada societies, in cooperation with ACM SIGAda. The conference was organized by selected staff of the University of York teamed up with collaborators from various places in Europe, in what turned out to be a very effective instance of distributed collaborative processing. The conference also enjoyed the generous support of 11 industrial sponsors.

Reliable Software Technologies - Ada-Europe 2010 Apr 18 2021 The LNCS series reports state-of-the-art results in computer science research, development, and education, at a high level and in both printed and electronic form. Enjoying tight cooperation with the R&D community, with numerous individuals, as well as with prestigious organizations and societies, LNCS has grown into the most

comprehensive computer science research forum available. The scope of LNCS, including its subseries LNAI and LNBI, spans the whole range of computer science and information technology including interdisciplinary topics in a variety of application fields. In parallel to the printed book, each new volume is published electronically in LNCS Online.

Reliable Software Technologies - Ada-Europe 2016 Jul 30 2019 This book constitutes the refereed proceedings of the 21st Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2016, held in Pisa, Italy, in June 2016. The revised 12 full papers presented together with one invited paper were carefully reviewed and selected from 28 submissions. They are organized in topical sections on concurrency and parallelism, testing and verification, program correctness and robustness, and real-time systems.

Reliable Software Technologies - Ada-Europe 2018 Jan 04 2020 This book constitutes the proceedings of the 23rd Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2018, held in Lisbon, Portugal, in June 2018. The 10 papers presented in this volume were carefully reviewed and selected from 27 submissions. They were organized in topical sections named: safety and security; Ada 202X;

handling implicit overhead; real-time scheduling; and new application domains.

Reliable Software Technologies - Ada-Europe 2014 Feb 03 2020 This book constitutes the refereed proceedings of the 19th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2014, held in Paris, France, in June 2014. The revised 12 full papers presented together with two keynote were carefully reviewed and selected from 68 submissions. They are organized in topical sections on formal methods; uses of ada; real-time scheduling; applications.

Reliable Software Technologies - Ada-Europe 2009 May 20 2021 This book constitutes the proceedings of the 14th Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2009, held in Brest, France, on June 8-12, 2009. The 19 papers presented were carefully reviewed and selected from numerous submissions. Topics of interest to the conference are methods and techniques for software development and maintenance; software architecture; enabling technology; software quality; theory and practice of high-integrity systems; embedded systems; mainstream and emerging applications; ada language and technology; ada and education.