



CALL FOR PAPERS

6th International Conference on Reliable Software Technologies - Ada-Europe'2001

14 - 18 May 2001, Leuven, Belgium

<http://www.ada-europe.org/conference2001.html>

Conference Chair

Karel De Vlaminc
K.U.Leuven
Department of Computer Science
Celestijnenlaan 200 A
B-3001 Leuven (Heverlee), Belgium
Karel.DeVlaminc@cs.kuleuven.ac.be

Program Co-Chairs

Dirk Craeynest
OFFIS nv/sa & K.U.Leuven
Weiveldlaan 41/32
B-1930 Zaventem, Belgium
Dirk.Craeynest@cs.kuleuven.ac.be
Alfred Strohmeier
Swiss Fed. Inst. of Technology Lausanne
Software Engineering Lab
CH-1015 Lausanne EPFL, Switzerland
Alfred.Strohmeier@epfl.ch

Tutorial Chair

Luc Bernard, OFFIS nv/sa, Belgium
lbn@offis.be

Exhibition Chair

Yvan Barbaix, K.U.Leuven
Phone +32-16-32.75.75
Fax +32-16-32.79.96
Yvan.Barbaix@cs.kuleuven.ac.be

Publicity Chair

Andrew Hately
Eurocontrol - CFMU, Belgium
Andrew.Hately@eurocontrol.be

Finance Co-Chairs

Karel De Vlaminc
K.U.Leuven, Belgium
Karel.DeVlaminc@cs.kuleuven.ac.be
Marc Gobin
Royal Military Academy, Belgium
Marc.Gobin@info.rma.ac.be

Local Organization Chair

Yolande Berbers, K.U.Leuven, Belgium
Yolande.Berbers@cs.kuleuven.ac.be

Organizing Committee

Karel De Vlaminc, Dirk Craeynest,
Yolande Berbers

In cooperation
with



SIGAda
(approval pending)



The International Language
for Software Engineering



KATHOLIEKE UNIVERSITEIT
LEUVEN

General Information

The 6th International Conference on Reliable Software Technologies (Ada-Europe'2001) will take place in the year 2001 in the historic university town of Leuven, near Brussels, Belgium. The full conference will comprise a three-day technical program and exhibition from Tuesday to Thursday, and parallel workshops and tutorials on Monday and Friday.

Schedule

16 October 2000	Submission of papers, extended abstracts and tutorial/workshop/poster proposals
11 December 2000	Notification to authors
11 January 2001	Full papers required for accepted extended abstracts
12 February 2001	Final papers (camera-ready) required
14-18 May 2001	Conference

Submissions

Authors are invited to submit original contributions. Submissions should be in English. An extended abstract (4-6 pages) or, preferably, the full paper (up to 12 pages) should be sent using the web submission form. For more information please see the conference web page. Submissions should be in PDF, Postscript or ASCII format, and follow the LNCS instructions (see 'Proceedings' below). Submissions by other electronic formats, such as a word processor source file, or by fax are not accepted. The web submission form is the preferred procedure. However, if you don't have access to the Internet, or you don't have an appropriate web browser, you may send your extended abstract or paper by e-mail to the Program Co-Chair Dirk Craeynest in one of the above formats. If electronic submission is not available, please send five paper copies. For e-mail or paper submissions, the body of the electronic message or the first page should identify the submission as a paper, extended abstract or poster, and should include in plain text: the title; name, current affiliation, postal address, e-mail address, telephone and fax of each author; the name of the designated contact person; a short abstract; and a list of keywords ordered by relevance, including, whenever possible, topics and subtopics taken from the list of topics of the conference. If the paper is submitted in Postscript, please be sure to select the option "optimize for portability" in your printer driver. To enable publication of the accepted papers before the conference, strict adherence to the dates of the schedule is essential. Authors of extended abstracts must be prepared to submit a full version of their paper before January 11, 2001.

Proceedings

The proceedings will be published in the Lecture Notes in Computer Science (LNCS) series by Springer, and will be available at the start of the conference. See the LNCS Authors Instructions page (<http://www.springer.de/comp/lncs/authors.html>).

Awards

There will be honorary awards for the best paper, the best presentation, and the best poster.

Program Committee

Ángel Álvarez, Technical University of Madrid, Spain
Lars Asplund, Uppsala University, Sweden
Ted Baker, Florida State University, USA
Yvan Barbaix, K.U.Leuven, Belgium
Stéphane Barbey, Paranon AG, Switzerland
John Barnes, UK
Yolande Berbers, K.U.Leuven, Belgium
Luc Bernard, OFFIS nv/sa, Belgium
Guillem Bernat, University of York, UK
Johann Bliemberger, Technical University Vienna, Austria
Jim Briggs, University of Portsmouth, UK
Bernd Burgstaller, Technical University Vienna, Austria
Alan Burns, University of York, UK
Agusti Canals, CS-SI, France
Ulf Cederling, Vaxjo University, Sweden
Dirk Craeynest, OFFIS nv/sa & K.U.Leuven, Belgium
Alfonso Crespo, Universidad Politécnica de Valencia, Spain
Juan A. de la Puente, Universidad Politécnica de Madrid, Spain
Peter Dencker, Aonix GmbH, Germany
Raymond Devillers, Université Libre de Bruxelles, Belgium
Michael Feldman, George Washington University, USA
Jesús M. González-Barahona, Universidad Rey Juan Carlos, Spain
Michael González Harbour, Universidad de Cantabria, Spain
Gerhard Goos, University of Karlsruhe, Germany
Thomas Gruber, Austrian Research Centers, Austria
Helge Hagenauer, University of Salzburg, Austria
Günter Hommel, Technische Universität Berlin, Germany
Yvon Kermarrec, ENST Bretagne, France
Jörg Kienzle, Swiss Fed. Inst. of Technology Lausanne, Switzerland
Fabrice Kordon, Université P. & M. Curie, France
Björn Källberg, CelsiusTech, Sweden
Albert Llamasi, Universitat de les Illes Balears, Spain
Kristina Lundqvist, Uppsala University, Sweden
Franco Mazzanti, Ist. di Elaborazione della Informazione, Italy
John W. McCormick, University of Northern Iowa, USA
Hugo Moen, Navia Aviation AS, Norway
Pierre Morere, Aonix, France
Paolo Panaroni, Intecs Sistemi, Italy
Laurent Pautet, ENST Paris University, France
Erhard Plödereder, University of Stuttgart, Germany
Ceri Reid, Coda Technologies, UK
Jean-Marie Rigaud, Université Paul Sabatier, France
Sergey Rybin, Moscow State University, Russia & ACT Europe, France
Edmond Schonberg, New York University & ACT, USA
Alfred Strohmeier, Swiss Fed. Inst. of Technology Lausanne, Switzerland
Jan van Katwijk, Delft University of Technology, the Netherlands
Stef Van Vlierberghe, OFFIS nv/sa, Belgium
Tullio Vardanega, European Space Agency, the Netherlands
Jan Wild, Eurocontrol, Belgium
Jürgen Winkler, Friedrich-Schiller-Universität, Germany
Thomas Wolf, Paranon AG, Switzerland

Advisory Board

Brad Balfour, Objective Interface, USA
Ben Brosgol, Ada Core Technologies, USA
Robert Dewar, Ada Core Technologies, USA
Franco Gasperoni, ACT Europe, France
Ian Gilchrist, IPL Information Processing, UK
Mike Kamrad, Top Layer Networks, USA
Hubert B. Keller, Forschungszentrum Karlsruhe, Germany
John Robinson, John Robinson & Associates, UK
Jean-Pierre Rosen, Adalog, France
Bill Taylor, Rational Software, UK
Theodor Tempelmeier, Rosenheim University of Applied Sciences, Germany
Joyce Tokar, DDC-I, USA
Andy Wellings, University of York, UK

26 May 2000, DC/AS/JK, 2/US Letter

Topics

The conference will provide an international forum for researchers, developers and users of reliable software technologies. Presentations and discussions will cover applied and theoretical work currently conducted to support the development and maintenance of software systems. Participants will include practitioners and researchers from industry, academia and government. There will be a special session on e-business and Internet-based applications, including the use of Ada in this realm.

For papers, tutorials, posters and workshop proposals, the topics of interest include, but are not limited to:

- **E-business and Internet-based applications** (special session).
- **Management of Software Development and Maintenance:** Methods, Techniques and Tools.
- **Software Quality:** Quality Management and Assurance, Risk Analysis, Program Analysis, Verification, Validation and Testing of Software Systems.
- **Software Development Methods and Techniques:** Requirements Engineering, Object-Oriented Technologies, Formal Methods, Software Management Issues, Re-engineering and Reverse Engineering, Reuse.
- **Software Architectures:** Patterns for Software Design and Composition, Frameworks, Architecture-Centered Development, Component and Class Libraries, Component Design.
- **Tools:** CASE Tools, Software Development Environments, Compilers, Browsers, Debuggers.
- **Kinds of Systems:** Real-Time Systems, Distributed Systems, Fault-Tolerant Systems, Information Systems, Safety-Critical or Secure Systems.
- **Applications** in Multimedia and Communications, Manufacturing, Robotics, Avionics, Space, Health Care, Transportation, Industry.
- **Ada Language and Tools:** Programming Techniques, Object-Oriented Programming, New Approaches in Tool Support, Bindings and Libraries, Evaluation and Comparison of Languages, Language Extension Proposals.
- **Ada Experience Reports:** Experience Reports from Projects using Ada, Management Approaches, Metrics, Comparisons with past or parallel Experiences in non-Ada Projects.
- **Education and Training**
- **Case Studies and Experiments.**

Call for Tutorials

A tutorial should address any of the topics of the theme of the conference. A tutorial will last a half or full day. The proposals should include a title, an abstract, a description of the topic, a detailed outline of the presentation, a description of the presenter's teaching experience in general and with the proposed topic, duration (half day or full day), level of the tutorial (introductory, intermediate, or advanced), expected audience experience and background. Proposals should be submitted by e-mail to the Tutorial Chair.

Call for Workshops

Half- and full-day workshops can be held to address timely issues or to initiate a longer term effort on a topic of interest. Proposals should be submitted by e-mail to one of the Program Co-Chairs.

Call for Posters

Poster presentations are invited exclusively from academia on on-going research projects, new concepts, and system implementations. An exhibition area will be provided and short presentations (5 minutes) will be accommodated. Proposals should be sent via the web submission form.

Exhibition

The conference will be accompanied by a three-day commercial exhibition on May 15, 16 and 17. Vendors of software products and services should contact the Exhibition Chair at their earliest convenience for further information and to ensure their inclusion.