9:00	**Tutorial 1**	**Tutorial 2**	**Tutorial 3**
	The Personal Software Process for Ada *Daniel Roy*	**Developing High Integrity Systems with GNAT/ORK** *Juan Antonio de la Puente & Juan Zamorano*	**Implementing Design Patterns in Ada95** *Matthew Heaney*
10:30	Coffee break		
11:00	**The Personal Software Process for Ada** *Daniel Roy*	**Developing High Integrity Systems with GNAT/ORK** *Juan Antonio de la Puente & Juan Zamorano*	**Implementing Design Patterns in Ada95** *Matthew Heaney*
12:30	Lunch		
14:00	**Tutorial 1 (cont.)**	**Tutorial 2 (cont.)**	**Tutorial 4**
	The Personal Software Process for Ada *Daniel Roy*	**Developing High Integrity Systems with GNAT/ORK** *Juan Antonio de la Puente & Juan Zamorano*	**Principles of Physical Software Design in Ada95** *Matthew Heaney*
15:30	Coffee break		
16:00	**The Personal Software Process for Ada** *Daniel Roy*	**Developing High Integrity Systems with GNAT/ORK** *Juan Antonio de la Puente & Juan Zamorano*	**Principles of Physical Software Design in Ada95** *Matthew Heaney*
17:30			
18:30	**Opening Session** – Sponsored by ACT Europe Film Screening: "*To Dream Tomorrow*"		
19:30	Questions & Answers with film director John Fuegi		
20:00	Reception		

8:45	Opening	
9:00	Invited Speaker Session chair: J.P. Rosen **An Invitation to Ada 2005** *Pascal Leroy, Rational Software Corp., France*	
10:00	Exhibitions and Coffee break	
	Session "Ravenscar" Session chair: J. Blieberger	*Session "Language Issues"* Session chair: J. Barnes
11:00	High Integrity Ravenscar *Peter Amey & Brian Dobbing, UK*	Booch's Ada vs. Liskov's Java: Two Approaches to Teaching Software Design *Ehud Lamm, Israel*
11:30	Adding Temporal Annotations and Associated Verification to Ravenscar Profile *Alan Burns & Tse-Min Lin, UK*	A Comparison of the Asynchronous Transfer of Control Features in Ada and the Real-Time Specification for Java *Benjamin M. Brosgol & A. Wellings, USA, UK*
12:00	Towards Static Verification of Real-Time Performance: The Case of the GOCE Platform Application Software *Niklas Holsti & Thomas Långbacka, UK*	Exposing Memory Corruption and Finding Leaks: Advanced Mechanisms in Ada *Emmanuel Briot, Franco Gasperoni, Robert Dewar, Dirk Craeynest & Philippe Waroquiers, France - USA - Belgium*
12:00	Lunch and Exhibitions	
	Session "Static Analysis" Session chair: K. Lundkvist	*Vendor Session 1* Session chair: D. Craeynest
14:30	Busy Wait Analysis *Johann Blieberger, Bernd Burgstaller & Bernhard Scholz, Austria*	*ACT* *Franco Gasperoni*
15:00	Eliminating Redundant Range Checks in GNAT Using Symbolic Evaluation *Bernd Burgstaller, Austria*	*GreenHills Software*
15:30	Quasar : A New Tool for Concurrent Ada Programs Analysis *S. Evangelista, Claude. Kaiser, Jean-François. Pradat-Peyre & P. Rousseau, France*	*CS* Using the NEPTUNE Technology to Check and Document UML Models
16:00	Exhibitions and Coffee break	
17:00	**Ada-Europe General Assembly**	
18:00		
18:30	Reception in Toulouse's Town Hall	

9:00	Invited Speaker Session chair: A. Strohmeier **Aspect-Oriented Programming Beyond Hierarchical Modularity** *Mira Mezini, Darmstadt University of Technology*	
10:00	Exhibitions and Coffee break	
	Session "Distributed Information Systems" Session chair: F. Gasperoni	*Session "Metrics"* Session chair: T. Vardanega
11:00	A Graphical Environment for GLADE *Ernestina Martel-Jordán, Francisco Guerra-Santana, Javier Miranda-González, & Luis Hernández-Acosta, Spain*	Getting System Metrics Using POSIX Tracing Services *Agustín Espinosa Minguet, Vicente Lorente Garcés, Ana García-Fornes & Alfons Crespo i Lorente, Spain*
11:30	The Use of Ada, GNAT.Spitbol and XML in the Sol-Eu-Net Project *Mário Amado Alves, Alípio Jorge & Matthew Heaney, Portugal - USA*	Some Architectural Features of Ada Systems Affecting Defects *William Evanco & June Verner, USA*
12:00	Transactions and Groups as Generic Building Blocks for Software Fault Tolerance *Marta Patiño-Martinez, Ricardo Jimenez-Peris & Alexander Romanovsky, Spain - UK*	Evidential Volume Approach for Certification *Silke Kuball & Gordon Hughes, UK*
12:00	Lunch and Exhibitions	
	Session "Software Components" Session chair: J.A. de la Puente	*Vendor Session 2* Session chair: M. Gonzalez-Harbour
14:30	A Survey of Physical Unit Handling Techniques in Ada *Christoph Grein, Germany*	*TNI*
15:00	Charles: A Data Structure Library for Ada 95 *Matthew Heaney, USA*	*Rational Software* Industrial Strength Ada with Rational Apex Family *Jérôme Desquilbet*
15:30	A Quality Model for the Ada Standard Container Library *Xavier Franch & Jordi Marco, Spain*	*Aonix*
16:00	Exhibitions and Coffee break	
	Session "Formal Specification" Session chair: A. Burns	*Vendor Session 3* Session chair: TBA
17:00	Experiences on Developing and Using a Tool Support for Formal Specification *Tommi Mikkonen, Finland*	*Praxis*
17:30	A Behavioural Notion of Subtyping for Object-Oriented Programming in SPARK95 *Tse-Min Lin & John A. McDermid, UK*	*IPL*
	Social Event - Banquet	

9:00	Invited Speaker Session chair: A. Llamosi **Software Fault Tolerance: An Overview** *Jörg Kienzle, McGill University, Canada*		
10:00	Exhibitions and Coffee break		
	Session "Real-Time Kernels" Session chair: B. Brosgol		*Session "Testing"* Session chair: B. Burgstaller
11:00	Running Ada on Real-Time Linux *Miguel Masmano, Jorge Real, Ismael Ripoll & Alfons Crespo, Spain*		A Test Environment for High Integrity Software Development *Alejandro Alonso, Juan Antonio de la Puente & Juan Zamorano, Spain*
11:30	A Round-Robin Scheduling Policy for Ada *A. Burns, M. Gonzalez Harbour & A. Wellings, Spain - UK*		Normalized Restricted Random Testing *Kwok Ping Chan, Tsong Yueh Chen & Dave Towey, Australia - Hong-Kong*
12:00	A Proposal to Integrate the POSIX Execution-Time Clocks into Ada95 *J. Miranda & M. González Harbour, Spain*		Testing Safety Critical Ada Code Using non Real-Time Testing *Y.V. Jeppu, K. Karunakar & P.S. Subramanyam, India*
12:00	Lunch and Exhibitions		
	Session "Real-Time Systems Design" Session chair: A. Canals		*Vendor Session 4* Session chair: L. Pautet
14:30	The Standard UML-Ada Profile *Francis Thom & Emma Lines, UK*		*Adalog/Axlog*
15:00	HRT-UML: Taking HRT-HOOD onto UML *Silvia Mazzini, Massimo D'Alessandro, Marco Di Natale, Andrea, Domenici, Giuseppe Lipari & Tullio Vardanega, Italy*		*I-Logix*
15:30	A Case Study in Performance Evaluation of Real-Time Teleoperation Software Architecture using UML-MAST *Francisco Ortiz, Bárbara Álvarez, Juan A. Pastor & Pedro Sánchez, Spain*		*Top Graph'X*
16:00	Exhibitions and Coffee break		
16:30	Invited Speaker Session chair: E. Plödereder **Software Development Process for Airbus A380** *Patrick Farail, Airbus France*		
17:30	**Award / Closing Session**		
18:00			
19:00	Social Event – Guided visit of the "Bemberg Foundation"*		

* Free registration during the conference.

9:00	Tutorial 5	Tutorial 7	Workshop
	High-integrity Ravenscar Using SPARK *Peter Amey*	**A Semi Formal Approach to Software Systems Development** *William Bail*	**QoS in CBSE 2003**
10:30	Coffee break		
11:00	**High-integrity Ravenscar Using SPARK** *Peter Amey*	**A Semi Formal Approach to Software Systems Development** *William Bail*	**QoS in CBSE 2003**
12:30	Lunch		
14:00	Tutorial 6	Tutorial 8	Workshop
	Architecture Centric Development Using Ada and the Avionics Architecture Description Language *Bruce Lewis & Edward Colbert*	**An Overview of Statistical-Based Testing** *William Bail*	**QoS in CBSE 2003**
15:30	Coffee break		
16:00	**Architecture Centric Development Using Ada and the Avionics Architecture Description Language** *Bruce Lewis & Edward Colbert*	**An Overview of Statistical-Based Testing** *William Bail*	**QoS in CBSE 2003**

17:30

AE '2003

> > A Guide to the Social Program

Monday Evening: Opening Session

This session is sponsored by ACT Europe.

At 18:30, we invite you to the film screening of "To Dream Tomorrow: A Portrait of Ada Lovelace", a documentary produced and directed by John FUEGI and Jo FRANCIS. This film has only been shown at a handful of places in the US so far, it will be formally premiered in Washington DC this summer. The screening at the opening session of the Ada-Europe conference is its European avant-premiere. After the film screening a Q&A session will take place with John FUEGI.

After 20:00, you are welcomed to attend an informal reception with an opportunity to meet your fellow conference attendees

Location

The film screening will take place in the main conference room at the hotel Mercure Atria. The reception will be held in the exhibition area in front of the conference room.
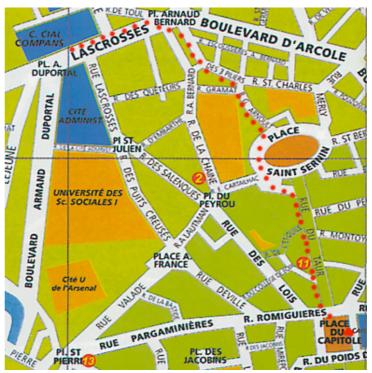
Tuesday Evening: Civic Reception

On Tuesday, we will enjoy a cocktail reception at the town hall by invitation of the Mayor of Toulouse. Before that, a guided bus tour will provide you a first impression of the city and several well-known sites. First of all, the most famous one and the symbol of Toulouse is the Capitol in which the reception will take place.

Flowing through Toulouse is the river Garonne with bridges - the oldest one being the "Pont Neuf" -, the famous "Canal du Midi", many churches, including a cathedral, one of the France largest Romanesque basilicas (St Sernin) and monasteries.

Location

The Town Hall is located in the "Place du Capitole", the main Toulouse's square which has a number of lively cafés and is a real meeting place for Toulouse people. If you want to walk from the conference site to the Capitol, you can follow "Boulevard Lascrosses" to the right, until "Place Arnaud Bernard". Then take little streets until "Place St Sernin", to have a look at its Romanesque basilica, and follow "Rue du Taur" until you get to the Capitol square (this itinerary is indicated by a dotted line on the opposite map). Assemble in front of the Town Hall entrance, on the side of the square.

Wednesday Evening: Banquet

The evening banquet of the conference will take place in a typical "ferme Lauragaise" (local farm) located near a lake.

Location

"La Ferme de Champreux" is situated at about 45 kilometers from Toulouse, in Nailloux.

A bus will take the participants from the conference hotel and will drive them back at the end of the evening. But if you want to drive to get there, you can ask us for more information about the location.