



4th International Congress
ERTS 2008
Embedded Real Time Software

SPECIAL EVENT

**“Open Source & Embedded Real Time
Software” 29 January 2008**



29, 30, 31 January and 1st February 2008

Toulouse, France

Centre de Congrès Pierre Baudis

PROGRAMME

Greener.

The Airbus A380 is built to be greener overall, not just because of its highly efficient design and new generation engines, but also thanks to a commitment from Airbus to reduce the total environmental impact of its aircraft. Airbus is the only manufacturer in the aviation industry to meet the strict ISO 14001 environmental management standards, covering all its manufacturing sites and products. Making the A380 a greener aircraft at every stage of its life cycle, from when we start putting it together to when it is finally taken apart. **Airbus A380. See the bigger picture.**



OVERVIEW & OBJECTIVES

ERTS is organized jointly by three learned societies representing automotive, aeronautics and space: SIA (the French Society of Automobile Engineers), AAAF (the French Society of Aeronautic and Aerospace) and SEE (the French Society for Electricity, Electronics, and Information & Communication Technologies).

ERTS is:

- A renowned European Congress created in 2002, held on a bi-annual basis and organised by three reputable learned societies.
- An unique European cross sector event on Embedded Software (Information Technology, Aeronautic, Automotive, Railways, Naval and Space).
- A conference with high level scientific and technical presentations, and panel discussions
- An exhibition covering a wide range of products and services in the field of transportation embedded software.
- Characterised by the strong involvement of the main industrial companies (OEM's, system software services and tools suppliers, and many others) and the R&D Centres in Aeronautic, Aerospace, Automotive, Railways and Naval.
- An unique platform for top-level scientists with representatives from universities, research centres, industries (represented by directors, managers, department leaders, engineers, researchers and technicians), as well as journalists.
- Located in the well-known city of Toulouse, in "Midi-Pyrenees" region where the main priority is given to "Embedded Electronic Systems for Intelligent Transportation" in the "Aerospace Valley" Cluster.
- An unique spirit: knowledge sharing, unforgettable moments and networking opportunities

In January 2006, this successful conference brought together more than 470 players and has established itself as the European event on Embedded Real Time Software issues.

Attendees appreciated the relevance of the topics covered, the high quality of the well-focused presentations on real-time and embedded technologies trends challenges, and cross-fertilization aspects between the Aeronautics and Automotive Industries.

2008 will be the year of the 40th anniversary of the Software Engineering: ERTS 2008 shall then start this special year for our industry with high quality papers for a high quality audience.

G rard LADIER, Airbus, France

Jean-Luc MAT , Siemens VDO, France

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Cl mence BENOIT – SIA, France

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Kentaro YOSHIMURA – Hitachi, France

Ex officio:

Gérard LADIER – Airbus, France

Jean-Luc MATE – Siemens VDO, France

ORGANISING ASSOCIATIONS



www.sia.fr

The Société des Ingénieurs de l'Automobile (the French Society of Automobile Engineers) is a society officially considered as serving the public interest. Its purpose is to represent technical excellence in the automobile industry through its expert and knowledge sharing networks. The SIA draws its members from the ranks of automobile engineers and technicians and all those active in promoting automotive engineering. SIA has 2 000 members and a network of over 8 000 engineers, technicians and research workers behind it.

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www.aaaf.asso.fr

The Association Aéronautique et Astronautique de France is the only French society of the aerospace field. AAAF is member of the International Council of Aeronautics Sciences (ICAS), of the international Astronautics Federation (IAF), of the French Mechanics Society (AFM). The first goal of AAAF is to inform all the members about developments in our sector of activity and to show up and to promote the work of our members. The mission of AAAF can be declined as follow: to bring together members and industrial firms, to create contacts between the members themselves, to serve as a major source of information, to provide members with a possibility to represent the members in several national or international societies, to award medals, scrolls and so on...

AAAF - 6, rue Galilée - 75016 PARIS - France
Tel : 33 (0)1 56 64 12 30 - Fax : 33 (0)1 56 64 12 31 - email: secr.exec@aaaf.asso.fr



www.see.asso.fr

The SEE (the French Electrical, Electronics, and Information & Communication Technologies Society) is a non-profit-making scientific association, directed to the public benefit. The SEE groups its members into 22 Technical Committees and 12 Regional Groups, creating links between them through its Newsletter and website. SEE mission's is to promote French science and technology, as well as create within these two fields meeting opportunities for industrialists, research scientists, teachers, students and trainee engineers both from France and abroad. The SEE thereby organises and co-organises events in its particular fields of competence. These professional national colloquia deal with particular topics and prospects, as well as major international Conferences. Other events include technical visits, evening lectures and training courses.

SEE - 17, rue Hamelin - 75783 PARIS Cedex 16 - France
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Airbus is a leading aircraft manufacturer with the most modern and comprehensive family of airliners on the market, ranging in capacity from 100 to more than 500 seats. Some 7,900 Airbus aircraft have been ordered by more than 270 customers worldwide and some 4,900 of these have been delivered since the company first entered the market in the early seventies.

With an annual turnover of over 26 billion euros in 2006, Airbus is a global company, employing some 57,000 people of 88 different nationalities in design and manufacturing facilities in France, Germany, the UK, and Spain, as well as subsidiaries in the U.S., China, Japan, and in the Middle East.

Airbus also operates spare parts and training centres in Europe, the U.S. and Asia, and provides round-the-clock support services to all Airbus operators, helping them enhance the profitability of their fleets.

Headquartered in Toulouse, France, Airbus is an EADS company



The Continental Corporation is one of the world's leading automotive industry suppliers offering comprehensive know-how in tire and brake technology, vehicle dynamics control, electronics, sensor products, hybrid technology, telematic systems and rubber and plastic products. It is our goal to make individual mobility safer and more comfortable. In addition to our operations in the automotive sector, we also make products for machine manufacturing and mining as well as for the furniture and printing industries.



AdaCore is the leading provider of commercial software solutions for Ada, a modern programming language designed for large, long-lived applications where safety, security, and reliability are critical. AdaCore's flagship product is the GNAT Pro development environment, which is ideal for developers seeking robustness, performance, and portability. AdaCore has an extensive worldwide customer base and GNAT Pro is used for developing the most important embedded and real-time applications; see www.adacore.com for further information.

OTHER SPONSORS



DGA of the French Ministry of Defence is an organisms of 18100 persons that pilots weapons programs (80 in 2006). Its mission is triple.

- to manage the design, acquisition and assessment of the systems currently used by the armed forces.
- to contribute to the European defence of the future by anticipating risks and threats and by preparing the development of new technologies and industrial skills.
- to promote the weapon exportation.



The Aerospace Valley association was created on July 13 2005, for the national, European and international development of the Midi-Pyrenees & Aquitaine Aeronautics, Space and Embedded Systems Competitiveness Cluster and received the "Global Cluster" seal of approval from the French government on July 12 2005.

It is formed by the companies, research centres, education and training centres and authorities involved in the sector from the two regions. With its 500 members, the general assembly is composed of 7 electoral colleges (Large manufacturing groups, SMEs/micro-businesses, Education/Training, Research, Economic development Structures, Local and Regional Authorities, Professional organisations and associated partners), the first four of which constitute the Cluster's project evaluation committee.



For forty years, ESG has been developing, integrating and operating electronic and IT systems for the military, public authorities and companies. With our logistics services we ensure that these systems remain available and efficient when in operation. Among our customers are companies in the automobile, aerospace and defence industries and from the areas of telecommunications, industrial goods and commercial vehicles.

- As an independent technology and process consultant with no interests in the production of hardware, we carry out studies and simulations for new systems and support the management of large IT projects.
- As a competence centre we enable our customers to access new technologies.
- As a specialised system company we have complete responsibility for individual modules and entire systems.

With our services we support the processes and capabilities of our customers and increase the reliability of their systems. Technology transfer between markets is the basis for our significant contribution to our customers' value creation

SPECIAL EVENT

“Open Source & Embedded Real Time Software” 29 January 2008

Everybody knows the Moore's law stating that the number of transistors on an integrated circuit doubles every 24 months. This law now seems to apply also to open source code, showing that Open Source is coming out of its pioneer age. But is it also the case in the embedded real time software world?

This special day in ERTS 08 conference would like to address the multiple aspects of this question:

- What's new in the projects and organizations dedicated to open source and embedded (critical) software?
- What are the organizations delivering either embedded avionics open source real time software or open source development tools for embedded real time software? ...
- What is the impact of the open source in the business organization?
- What about the international context and collaboration?
- How open-source is considered by the companies developing or integrating embedded real time software?

....

Major actors from avionics and automotive industries, as well as top representatives from agencies and consortiums will give their vision and answers to these questions.

PROGRAMME - Tuesday, January 29

Special event “Open Source & Embedded Real Time Software”

09:00 – 09:15	Opening session Jean-Luc MATE – Siemens VDO, France G�rard LADIER – Airbus, France
09:15 – 10:00	Keynote Speech The Open Source alternative for supporting European software development G�rard ROUCAIROL – Bull , France
Session 1 : Open Source Projects	
10:00 – 10:40	The open source Rodin platform: a system modelling tool using refinements and proofs (Event-B) Jean-Raymond ABRIAL – ETHZ, Switzerland
10:40 – 11:20	Contributing to open source and commercializing an Eclipse-based solution: the Wind River strategy Martin OBERHUBER – Wind River, USA
11:20 – 11:40	Refreshment break
11:40 – 12:20	Enabling of AUTOSAR system design using Eclipse based tooling – Harald HEINECKE – BMW CarlT, Germany
12:20 – 13:00	Built-in Interoperability and Scalability of an Eclipse-based AUTOSAR tool platform Stephan EBERLE, Eliane FOURGEAU – Geensys, France
13:00 – 14:30	Lunch Break
Session 2 : Organizations and policies	
14:30 – 15:05	Eclipse and Embedded Real Time Software: From Open Source Consumption to Participation Ralph MUELLER – Eclipse, Germany
15:05 – 15:40	Scilab/Scicos: an Open Source platform for real time embedded systems development Claude GOMEZ – CTO, Scilab Consortium (INRIA), France Simone MANNORI – Embedded Systems Engineer, Scilab Consortium (INRIA), France
15:40 – 16:25	How to - and how not to use Open Source Software (in Products) Oliver FENDT – Siemens Corporate Technology, Germany
16:25 – 16:30	Refreshment break
16:30 – 17:05	Open Source for developing avionics software in Airbus G�rard LADIER – Airbus, France
17:05 – 17:40	ESA and CNES views on open source software Juan MIRO – ESA/ESTEC, France Jean-Loup TERRAILLON – ESA/ESTEC, France Paul ARBERET – CNES, France
17:40 – 18:00	Questions & Answers session with the speakers
18:00	End of the day

PROGRAMME AT A GLANCE

Special event "Open Source & Embedded Real Time Software" Tuesday, January 29

09:00 – 18:00	Open Source & Embedded Real Time Software
14:30 – 17:00	Airbus Technical visit (optional)

Wednesday, January 30

09:00 – 09:30	Welcome Session Alain BENETEAU - Midi-Pyrénées Region Vice-President Gérard LADIER - Airbus and Congress Co-Chairman Jean-Luc MATÉ - Siemens VDO and Congress Co-Chairman Jean-Claude LAPRIE - LAAS-CNRS and Programme Committee Chairman		
09:30 – 10:00	Opening Session Karl-Thomas Neumann - Member of the Executive Board - Chief Technology Officer, Continental AG, Germany Emmanuel GABLA - French Ministry for Economy, Finance and Employment - Technology and Information Society Director, France		
10:00 – 11:00	Keynote address Yves DESWARTE - LAAS-CNRS, France		
11:00 – 11:30	<i>Exhibition visit / Refreshment break</i>		
11:30 – 13:10	Session 1A Model Driven Engineering Processes 1	Session 1B Distributed Architectures	Session 1C Virtualisation
13:10 – 14:10	<i>Exhibition visit / Lunch</i>		
14:10 – 15:50	Session 2A Model Driven Engineering Processes 2	Session 2B Fault Tolerance, Design and Analysis	Session 2C Human-Machine Interaction 1
15:50 – 16:20	<i>Exhibition visit / Refreshment break</i>		
16:20 – 17:10	Session 3A Open Platforms	Session 3B Simulation for Validation	Session 3C Component Driven Development and Variability
17:10 – 18:50	Session 4A Multiformalism and Model Transformation	Session 4B Schedulability	Session 4C Architecture
Session end to 20:00	<i>Cocktail Party at the Exhibition</i>		

Thursday, January 31

08:30 – 09:30	Keynote address Toshiyuki INAGAKI - University of Tsukuba, Japan		
09:40 – 10:30	Session 5A Business Models	Session 5B Design and Verification	Session 5C Integrated Modular Avionics
10:30 – 11:00	<i>Exhibition visit / Refreshment break</i>		
11:00 – 12:40	Session 6A AADL and Dependability	Session 6B Static Analysis	Session 6C AUTOSAR in Use
12:40 – 14:10	<i>Exhibition visit / Lunch</i>		
14:10 – 16:10	Special Session and Panel: Safety in Automotive and Avionics		
16:10 – 16:40	<i>Exhibition visit / Refreshment break</i>		
16:40 – 18:00	Session 7A UML in Use	Session 7B Timing Analysis	Session 7C Software Product Lines
18:00 – 19:00	<i>Exhibition visit</i>		
19:30 – 23:00	<i>Gala Evening - Salle des Illustres</i>		

Friday, February 1st

08:30 – 09:30	Keynote address Kostas GLINOS - European Commission			
09:40 – 10:55	Session 8A Principles of Architecture Description Languages	Session 8B AUTOSAR Methodology	Session 8C Testing	Session 8D Human-Machine Interaction 2
10:55 – 11:25	<i>Exhibition visit / Refreshment break</i>			
11:25 – 12:40	Session 9A Tool Chains	Session 9B Feedback and Perspectives	Session 9C Formal Verification	
12:40 – 14:10	<i>Exhibition visit / Lunch</i>			
14:10 – 16:00	Session 10A AADL and Performance Analysis	Session 10B Object Orientation for Real-Time	Session 10C Certification of Automatic Code Generation	
16:00 – 16:30	Closing Session Gérard LADIER - Airbus and Congress Co-Chairman Jean-Luc MATÉ - Siemens VDO and Congress Co-Chairman Jean-Claude LAPRIE - LAAS-CNRS and Programme Committee Chairman			

PROGRAMME - Wednesday, January 30

08:00 – 09:00	<i>Participants registration / Welcome Coffee</i>		
09:00 – 09:30	<p style="text-align: center;">Welcome Session</p> <p style="text-align: center;">Alain BENETEAU – Midi-Pyrénées Region Vice-President G�rard LADIER – Airbus and Congress Co-Chairman Jean-Luc MAT� – Siemens VDO and Congress Co-Chairman Jean-Claude LAPRIE – LAAS-CNRS and Programme Committee Chairman</p>		
	<p style="text-align: center;">Opening Session</p> <p style="text-align: center;">Session Chair : Jean-Luc MAT�</p>		
09:30 – 09:45	<p>Software Engineering: from 40th Anniversary to the Automotive Breakthrough Karl-Thomas Neumann - Member of the Executive Board - Chief Technology Officer, Continental AG, Germany</p>		
09:45 – 10:00	<p>Software, an Enabling Technology for the Information Society Emmanuel GABLA - French Ministry for Economy, Finance and Employment – Technology and Information Society Director, France</p>		
10:00 – 11:00	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Yves DESWARTE - LAAS-CNRS, France Session Chair : G�rard LADIER</p>		
11:00 – 11:30	<i>Exhibition visit / Refreshment break</i>		
	<p>Session 1A:</p> <p>Model Driven Engineering Processes 1</p> <p>Session Chair: Patrick CORMERY - Astrium Space Transportation</p>	<p>Session 1B:</p> <p>Distributed Architectures</p> <p>Session Chair: Zoubir MAMMERRI - IIRIT / UPS</p>	<p>Session 1C:</p> <p>Virtualisation</p> <p>Session Chair: Jean-Charles FABRE - LAAS / CNRS</p>
11:30 – 11:55	<p><i>TopProcess: A Process Model Driven Approach Applied in Topcased for Embedded Real-Time Software</i> Ange GARCIA, Jean Noel GUYOT, Boris LIBERT - Tectosages, France Beno�t COMBEMALE, Xavier CREGUT - IIRIT CNRS, France</p>	<p><i>Disco Space-Oriented Middleware: Architecture of a Distributed Runtime Environment for Complex Spacecraft On-Board Applications</i> Marek PROCHAZKA, Stuart FOWELL - SciSys, UK Luc PLANCHE - EADS Astrium SAS, France Philippe CHEVALLEY - ESA / ESTEC, Netherlands</p>	<p><i>Migration from a Hardware-Based Avionics Application Testing Platform to a Pure Software Testing Environment Based on a IMA Structure Simulator</i> Samuel FLORES, Philippe LE MEUR, Jean Fran�ois RENNESSON - INSA, France</p>
11:55 – 12:20	<p><i>The MeMVAEx Methodology: From Requirements to Models in Automotive Application Design</i> Marie Agn�s PERALDI FRATI - I3S, UNSA, CNRS/INRIA, France Yves SOREL - INRIA, France Jean Louis BOULANGER - UTC Heudiasyc, France Hubert DUBOIS - CEA - LIST, France Arnaud ALBINET - Siemens VDO, France Olivier CASSE - Monditech, France</p>	<p><i>Architecture for Multi Processor Systems for Distributed Computing</i> Natarajan RAMANATHAN, Anurag REGHU - Tata Elxsi Limited, India</p>	<p><i>From T805 to LEON/RTEMS - A Practical Example of Platform Migration in Embedded Software</i> Roger LLORCA CEJUDO, Christophe SCURI - CNES, France</p>
12:20 – 12:45	<p><i>Solutions to Automate Collaborative Requirements Management</i> Eric LARRONDE LARRETICHE, Lionel BURGAUD, Elian FOURGEAU - Geensys, France</p>	<p><i>High Availability Train to Wayside Communication System for Subway Application using 802.11X.</i> Anne Sophie CHAZEL, Sa�d EL FASSI - Siemens Transportation, France</p>	<p><i>Automating the Port of Linux to the VirtualLogix Hypervisor using Semantic Patches</i> Jean BERNIOLLES, Fran�ois ARMAND - VirtualLogix, France Gilles MULLER - EMN, France Julia LAWALL - Diku, Denmark</p>
12:45 – 13:10	<p><i>A Multi-Model Process for Managing Project Complexity</i> Patrice BOULLE - Sysalis, France Marie Line VALENTIN - Airbus, France Anthony INARD - Eurocontrol, Belgium</p>	<p><i>Ensuring Temporal Validity of Distributed Real Time Data</i> Tanguy LE BERRE, Philippe QUEINNEC - IIRIT ENSEEIHT, France</p>	<p><i>Embedded Software V&V using Virtual Platforms for Power Train Applications</i> Bertrand TAVERNIER, Jean Marc TALBOT - VaST Systems Technology, France Philippe CUENOT, - Siemens VDO</p>
13:10 – 14:10	<i>Exhibition visit / Lunch</i>		
	<p>Session 2A:</p> <p>Model Driven Engineering Processes 2</p> <p>Session Chair: Marie-Line VALENTIN - Airbus</p>	<p>Session 2B:</p> <p>Fault Tolerance, Design and Analysis</p> <p>Session Chair: Gilles Le CALVEZ - Valeo</p>	<p>Session 2C:</p> <p>Human-Machine Interaction 1</p> <p>Session Chair: Sandra BASNYAT - IIRIT</p>
14:10 – 14:35	<p><i>A Model-Driven Process for Adaptive Embedded Systems</i> Franck CHAUVEL, Jean-Marc J�Z�QUEL - INRIA & Universit� de Rennes, France</p>	<p><i>Towards Adaptive Fault Tolerance in Embedded Systems</i> Thomas PAREAUD, Jean-Charles FABRE, Marc-Olivier KILLIJIAN - Laas-Cnrs, France</p>	<p><i>Development of the Drive Dozing Prevention Technique using the Sensor Installed in the Sheef for Detecting the Driver's Condition</i> Shigehiko KANEKO - The University of Tokyo, Japan Masato ENOKIZONO - Oita University, Japan Tsutomu KAMEI - Shimane Institute of Health Science, Japan Etsunori FUJITA - Delta Tooling Co.Ltd., Japan</p>
14:35 – 15:00	<p><i>Introducing Simulation and Model Animation in the MDE Topcased Tool-kit</i> Marc PANTEL, Beno�t COMBEMALE, Xavier CREGUT - F�RIA-IIRIT-INPT-ENSEEIHT, University of Toulouse, France Pierre MICHEL - F�RIA-ONERA-DTIM, France Jean-Patrice GIACOMETTI - Airbus, France</p>	<p><i>An Architectural Approach to Autonomics and Self-management of Automotive Embedded Electronic Systems</i> DeJiu CHEN, Martin T�RNGREN Magnus PERSSON, Tahir NASEER - Royal Institute of Technology, Sweden Dettlef SCHOLLE - Enea Embedded Technology AB, Sweden Richard ANTHONY - The University of Greenwich, UK Hans BLOM, Cecilia EKELIN - Volvo Technology AB, Sweden Gerrit de BOER - Robert Bosch GmbH, Germany Isabell JAHNICH - The University of Paderborn/C-LAB, Germany Walter FRANZ - DaimlerChrysler AG, Germany</p>	<p><i>Real Time Inference of Driver's Intent via Analyses of Pressure Distribution on the Seat</i> Makoto ITOH, Toshiyuki INAGAKI - Univ. Tsukuba, Japan Takio KURITA - Advanced Institute of Science and Technology, Japan</p>

15:00 – 15:25	<i>Model-driven Engineering Metrics for Real Time Systems</i> Martin MONPERRUS, Joël CHAMPEAU, Brigitte HOELTZENER - ENSIETA, France Jean-Marc JEZEQUEL - INRIA, France	<i>COntinuum, a CO-modeling Methodology for the Integration of Real-time Architecture Models</i> Isabelle PERSEIL, Laurent PAUTET - GET-Télécom Paris, LICI UMR 5141 CNRS, France	<i>Software Application for Developing In-Car Speech HMI</i> Stefan SCHULZ, Thomas BENSCHIED, Jörg SCHILLER, Stefan ORTMAN - Carmeq VW, Germany
15:25 – 15:50	<i>ASSERT: a Step Towards Reliable and Scientific System and Software Engineering.</i> Eric CONQUET - ESA, Netherlands	<i>Integration of Formal Fault Analysis in ASSERT: Case Studies and Lessons Learnt</i> Jean-Paul BLANQUART, Jocelyn LUCOTTE - Astrium Satellites, France David LESENS, Astrium Space Transportation, France Frédéric TARDY - Dassault Aviation, France Michel TURIN - GTI6, France Pierre BIEBER, Christel SEGUIN, Guy DURRIEU - ONERA, France Eric CONQUET - ESA, Netherlands	<i>Cost-efficient Design and Production of Flexible and Re-usable Near Real Time Tactical Human-Machine Interfaces</i> Olivier GRISVARD, Christophe HUNTZINGER, Mikael LE BERRE, Vincent VERBEQUE - THALES Airborne Systems, France

15:50 – 16:20 *Exhibition visit / Refreshment break*

	Session 3A: Open Platforms Session Chair: Alain CHEVALIER - Airbus	Session 3B: Simulation for Validation Session Chair: Michael HANEBERG - BMW AG	Session 3C: Component Driven Development and Variability Session Chair: Gilles MOTET - INSA Toulouse
16:20 – 16:45	<i>OPEES: to an Open Platform for the Engineering of Embedded Systems</i> François TERRIER, Christophe LECLUSE - CEA LIST, France Gérard LADIER - Airbus, France François VERNADAT - FERIA, France Olivier TREBUCQ - INRIA, France Laurent JULLIARD - Minalogic, France Bruno BEC - Schneider Electric, France Mario DIAZ-NAVA - STMicroelectronics, France Philippe MILS - THALES, France	<i>Simulation and Validation Strategy on Real-Time Autocoded Onboard Software for Formation Flying In-Orbit Ranging Demonstration</i> Olivier BOMPIS, Philippe CHEYNET - Communication & Systemes, France Bernard PONTET - Michel DELPECH - Pierre-Yves GUIDOTTI - CNES, France	<i>A Component Driven Development Process from the System Design to the Final Implementation</i> Guillaume VERAN - Thales Alenia Space, DRT/RTPS, France
16:45 – 17:10	<i>Edona: An Open Integration Platform for Automotive Systems Development Tools</i> François OUGIER - Renault, France François TERRIER - CEA LIST, France	<i>Technology Evolution of Aircraft Simulator for Real Equipments Validation</i> Jean-Marie CALLAUD - Airbus France,	<i>Modelling Automotive Function Nets with Variants, Modes and Views</i> Holger KRAHN, Hans GRÖNNIGER, Bernhard RUMPE - Technische Universität Braunschweig, Germany Jochen HARTMANN, Stefan KRIEBEL - BMW Group, Germany
	Session 4A: Multiformalism and Model Transformation Session Chair: Karama KANOUN - LAAS / CNRS	Session 4B: Schedulability Session Chair: Jörgen HANSSON - SEI/CMU	Session 4C: Architecture Session Chair: Rafael RODRIGUEZ - GTD
17:10 – 17:35	<i>Supporting a Multi-formalism Model Driven Development Process with Model Transformation, a TOPCASED Implementation</i> Maurice HEITZ, Nicolas GIANIEL, Tristan FAURE - CS Systèmes d'Information, France	<i>Pushing the Limits of CAN - Scheduling Frames with Offsets Provides a Major Performance Boost</i> Nicolas NAVET, Lionel HAVET, Mathieu GRENIER - INRIA - LORIA, France	<i>Engine Management Software Dynamic Architecture Versus Integration</i> Denis CLARAZ - Siemens VDO, France Michael NIEMETZ - Siemens VDO Automotive AG, Germany
17:35 – 18:00	<i>FIACRE: an Intermediate Language for Model Verification in the TOPCASED Environment</i> Bernard BERTHOMIEU - LAAS, France Jean-Paul BODEVEIX, Mamoun FILALI - IIRIT, France Patrick FARAIL, Pierre GAUFILLET - AIRBUS, France Hubert GARAVEL, Frédéric LANG - INRIA, France	<i>Configuring the Communication on FlexRay : The Case of the Static Segment</i> Christelle BRAUN, Nicolas NAVET, Françoise SIMONOT-LION - INRIA - LORIA, France	<i>Impact of Runtime Architectures on Control System Stability</i> Peter FEILER, Jorgen HANSSON - Software Engineering Institute, USA
18:00 – 18:25	<i>An Open Embedded Experimentation: "Transformation from an SDL Profiled UML Model to a FIACRE Model"</i> Agusti CANALS, Hugues BONNIN, Sébastien GABEL, Christophe Le CAMUS - CS Communication & Systems, France	<i>Evaluation of a Real-Time Runtime Monitoring Framework</i> Thomas ROBERT, Matthieu ROY, Jean-Charles FABRE - LAAS-CNRS, University of Toulouse, France	<i>A Verifiable Architecture for Multitask Implementation of Multi-rate Synchronous Software</i> Jean-Louis CAMUS, Olivier GRAFF, Sébastien POUSSARD - Esterel Technologies, France
18:25 – 18:50			<i>A High Availability Vital Computer for Railway Applications: Architecture & Safety Principles</i> Sylvain BARO -DSF - Siemens Transportation Systems, France

Session end to 20:00

Cocktail party at the exhibition

PROGRAMME - Thursday, January 31

08:30 – 09:30	Keynote address Toshiyuki INAGAKI - University of Tsukuba, Japan Session Chair : Jean Luc MATE - Siemens VDO		
	Session 5A: Business Models Session Chair: Werner FROEHLING - Volvo	Session 5B: Design and Verification Session Chair: Philippe BAUFRETON - Hispano Suiza	Session 5C: Integrated Modular Avionics Session Chair: Dominique POTIER - Thales
09:40 – 10:05	<i>A New Business Model Experienced between an Automotive and a Software / Services Company</i> Guillaume DEVAUCHELLE, Gilles LE CALVEZ, Daniel FRAYSSINET, Bernard COURNIL - VALEO, France Olivier PAYRAUD, Pierre-Henri GABRIEL - IBM, France	<i>Constraint-Based Design of Avionics Platform</i> Pierre BIEBER, Charles CASTEL - ONERA, France Frédéric MINOT - AIRBUS, France Jean-Paul BODEVEIX, David DOOSE, Mamoun FILALI - IRIT, France	<i>IMA for Space: Status and Perspectives</i> Paul ARBERET - Centre national des études Spatiales (CNES), France Juan MIRO - ESA, Netherlands
10:05 – 10:30	<i>Free Software and Leveraged Service Organizations</i> Franco GASPERONI - AdaCore, France	<i>Comparison of Functional Integration Methods from Aviation and Automotive Industries</i> Norbert NEUENDORF - ESG Elektroniksystem und Logistik-GmbH, Germany	<i>Impact of an IMA Software Architecture on Legacy Avionic Software</i> Thomas BRIXEL - EADS Deutschland GmbH, Germany
10:30 – 11:00	<i>Exhibition visit / Refreshment break</i>		
	Session 6A: AADL and Dependability Session Chair : Thierry SEYNAEVE - ESG	Session 6B: Static Analysis Session Chair : Marie Claude GAUDEL - Université Paris Sud	Session 6C: AUTOSAR in Use Session Chair : Kentaro YOSHIMURA - Hitachi
11:00 – 11:25	<i>Software Dependability Modeling using an Industry-Standard Architecture Description Language</i> Ana - Elena RUGINA, Karama KANOUN, Mohamed KAÂNICHE - LAAS-CNRS, France Peter FEILER - Carnegie MELLON Software Engineering Institute, USA	<i>Proving Temporal Properties at Code Level for Basic Operators of Control / Command Programs</i> David DELMAS - Airbus, France Stéphane DUPRAT - Atos Origin, France Benjamin MONATE, Patrick BAUDIN - CEA-LIST, France	<i>Model Weaving Support for Migrating Software Artifacts from AUTOSAR 2.0 to AUTOSAR 2.1</i> Juan M. VARA MESA - Kybele Research Group, Rey Juan Carlos University, Spain Marcos DIDONET DEL FABRO, Frédéric JOUVAULT, Jean BEZIVIN - ATLAS Group, France
11:25 – 11:50	<i>Modeling Wireless Sensor Networks using AADL</i> Amitabha GHOSH - University of Southern California, USA Luis PEREIRA - Innovation Center - Eaton Corporation, USA	<i>Software Analysis :A Point of View of a Car Manufacturer</i> Frédéric MONDOT - RENAULT France	<i>Migration Strategy of In-House Automotive Real-Time Applicative Software in AUTOSAR Standard</i> Pierre-Henry DEZAUX - PSA Peugeot Citroen, France
11:50 – 12:15	<i>Model Driven Engineering and Dependability Analyses: The Topcased Approach</i> Jean-Paul BLANQUART - Astrium Satellites, France Jean-Claude LAPERCHE - Airbus, France Christel SEGUIN - ONERA, France Martin MÜLLER - Siemens AG, Germany Gilles HANNOYER - Siemens VDO, France Christophe DELORD - Sopra Group, France Marion MOREL - Thales Avionics, France	<i>Combining a High-Level Design Tool for Safety-Critical Systems with a Tool for WCET Analysis on Executables</i> Christian FERDINAND, Reinhold HECKMANN, Florian MARTIN - Absint Angewandte Informatik GmbH, Germany Thierry Le SERGENT, Laurent POUCHAN, Xavier FORNARI - Esterel Technologies, France	<i>Systematic use of the AUTOSAR Standardized Application Interfaces</i> Stefan VOGET - Siemens VDO Automotive AG, Germany Michael GOLM - Siemens AG, Germany
12:15 – 12:40	<i>Code Generation Strategies from AADL Architectural Descriptions Targeting the H1 Domain</i> Jérôme HUGUES, Bechir ZALILA Julien DELANGE, Laurent PAUTET - GET Télécom Paris, France	<i>Industrial Applicability of Advanced Model/code-based V&V Techniques for Verifying Program Properties in Embedded Applications</i> Chris HOTE - The MathWorks Inc., Natick, USA Daniel PILAUD, Marc LALO - The MathWorks Inc., France	<i>Metrics for the Optimization of Distributed Realtime Systems Based on AUTOSAR</i> Oliver SCHEICKL, Michael RUDORFER, Christoph AINHAUSER - BMW Car IT GmbH, Germany Martin FEILKAS - TU München, Germany
12:40 – 14:10	<i>Exhibition visit / Lunch</i>		
14:10 – 16:10	Special Session and Panel: Safety in Automotive and Avionics Session Chair : Gérard LADIER - Airbus		
	Technology Changes in Aeronautical Systems Jim KRODEL - Pratt & Whitney Aircraft Engines, USA		
	Towards Functional Safety in Automotive Electronics Jean-Marc ASTRUC - Siemens VDO, France Nicolas BECKER - PSA, Peugeot Citroën, France		
	System Safety in a Few Nutshells Pascal TRAVERSE - Airbus, France		
	AUTOSAR Overview - Current Status - Support for Functional Safety Simon FÜRST - BMW AG, Germany		
16:10 – 16:40	<i>Exhibition visit / Refreshment break</i>		

	Session 7A: UML in Use Session Chair: Olivier GUETTA - Renault	Session 7B: Timing Analysis Session Chair: Denis CLARAZ - Siemens VDO	Session 7C: Software Product Lines Session Chair: François TERRIER - CEA
16:40 – 17:05	<i>Experience of an Efficient and Actual MDE Process: Design and Verification of ATC Onboard Systems</i> Eric BONNAFOUS, Eric SAVES, Julien HONORE - CS-SI, France	<i>Timing Requirement Description Diagrams for Real-Time System Verification</i> Benjamin FONTAN, Pierre de SAQUI-SANNES - University of Toulouse/ LAAS-CNRS/ ENSICA, France Ludovic APVRILLE - GET/ ENST, France	<i>Application Area for Multiple Software Product Lines in Automotive Development</i> Uwe BEHER - ESG Elektroniksystem- und Logistik-GmbH, Germany Mike HEIDRICH - Fraunhofer ESK, Germany Günter BÖNISCH - Siemens VDO AG, Germany
17:05 – 17:30	<i>UML Modeling of a Real-Time Embedded Industrial System: an Engine Tested</i> Nicolas PERNET, Sylvie CAUVIN - IFP, France Frederic THOMAS, Chokri MRAIDHA - CEA-LIST, France Michel SALL, Philippe ROBIN - TRIALOG, France	<i>Timing Analysis using the MARTE Profile in the Design of Rail Automation Systems</i> Axel ZECHNER, Michaela HUHNER Matthias HAGNER - Institute for Programming and Reactive Systems, Germany	<i>A Walk Through EMS2010 Modular Software Development</i> Jean-Marc DRESSLER - Renault, France
17:30 – 17:55	<i>Integrated Modular Avionics System Development and Configuration: From UML to Binary. A Proposal of UML Profile to be used with the ARINC 653 standard</i> Miguel Angel MOZAS PAJARES, Ismael LAFOZ PASTOR, Carlos Fernandez de la HOZ - EADS-CASA, Spain Olivier CHARRIER - Wind River, France	<i>Integrating System-Level and Code-Level Timing Analysis for Dependable System Development</i> Marek JERSAK, Kai RICHTER Symtavision GmbH, Germany Christian FERDINAND, Reinhold HECKMANN, Florian MARTIN - AbsInt Angewandte Informatik GmbH, Germany	<i>Modularity and Associated Tools as a Mean to Master Quality of Complex Embedded Systems</i> Robert BONETTO - RENAULT, France Jean Claude MICHON - FCF, France
18:00 – 19:00	<i>Exhibition visit</i>		
19:30 – 23:00	<i>Gala Evening - Salle des Illustres</i>		



GALA EVENING
In The Famous “Salle des Illustres”
Toulouse Town hall, Place du Capitole
On Thursday, January 31ST



The "Salle des Illustres" is more than seventy metres in length and goes on all the facade of the Capitol. Classified "historic monument" in 1994, the magnificent paintings which decorate its ceiling were restored in 1999.

The room also exposes the busts of Toulousan famous characters: Caffarelli, Riquet, Pierre de Fermat, Comte Raymond VI, Jean Jaurès...

Confirm your attendance to the dinner when registering to the conference, as only a limited number of people will be able to attend. Attendance will be confirmed on a first come first served basis

PROGRAMME – Friday, February 1

08:30 – 09:30	Keynote address Kostas GLINOS – European Commission Session Chair : Jean Claude LAPRIE- LAAS / CNRS, France			
	Session 8A: Principles of Architecture Description Languages Session Chair: Bruce LEWIS - US Army	Session 8B: AUTOSAR Methodology Session Chair: Werner DAMM - Offis	Session 8C: Testing Session Chair: Shigeharu TESHIMA - Nagoya University	Session 8D: Human-Machine Interaction 2 Session Chair: Louis-Claude VRIGNAUD - Siemens VDO
9:40 – 10:05	<i>From UML to AADL: an Explicit Execution Semantics Modelling with MARTE</i> Matthias BRUN, Jérôme DELA-TOUR - ESEO, France Madeleine FAUGERE - THALES, France Thomas VERGNAUD - CNES, France	<i>Model-Based Design for AUTOSAR Software Components</i> Ulrich EISEMANN - dSPACE GmbH, Germany	<i>Software Factory Testing Tools : an Analysis Framework</i> Emmanuel LEDINOT - Dassault Aviation, France Michel NAKHLE - Communication & Systems - France Philippe ROBIN - Trialog, France	<i>HMI Code Generation for Multiple Platforms</i> Mark GRANT - Siemens VDO, France
10:05 – 10:30	<i>Towards a Formal Semantics for AADL</i> Jean-Francois ROLLAND, Jean-Paul BODEVEIX, Mamoun FILALI - IRIT-UPS, France David CHEMOUIL - CNES, France Thomas DAVE - ASTRIUM, France	<i>Developing Automotive Products using the EAST-ADL2, an AUTOSAR Compliant Architecture Description Language</i> Philippe CUENOT - Siemens VDO, France Henrik LÖON - Volvo Technology Coporation, Sweden Martin TÖRNGREN - KTH- Royal Institute of Technology, Sweden Patrick FREY - ETAS GmbH, Germany Johansson ROLF - Mentor Graphics AB, Sweden	<i>Statistical Testing of Synchronous Reactive Systems</i> Julien FAYOLLE, Marie-Claude GAUDEL, Sandrine-Dominique GOURAUD - Université Paris-Sud, France Bruno MARRE - CEA LIST, France	<i>Statistical Characteristics of Backward Glancing while Natural Driving on Express Way</i> Akihiko TAKAHASHI, Motoyuki AKAMATSU - Natl. Inst. of Advanced Industrial Science and Technology, Japan
10:30 – 10:55	<i>Enforcement of Quality Attributes for Net-centric Systems through Modelling and Validation with Architecture Description Languages</i> Jörgen HANSSON, Peter FEILER - Software Engineering Institute, Carnegie Mellon University, USA	<i>AUTOSAR Methodology and Tools Applied on Two OEM Use Cases</i> Eliane FOURGEAU, Rosa GRAGOS-SIAN, Eric LARRONDE - Geensys, France Alain GILBERG, Bertrand DELORD, Linda TOSSA - PSA Peugeot Citroën, France <i>A Verifiable Architecture for Multitask Implementation of Multi-rate Synchronous Software</i> Jean-Louis CAMUS, Olivier GRAFF, Sébastien POUSSARD - Esterel Technologies, France	<i>AGATHA / TTS: From UML Modeling to Test Case Generation and Execution</i> Philippe ROBIN, Michel SALL - TRIALOG, Paris, France Jean Yves PIERRON - CEA-LIST, France	<i>Keeping the user in the loop in automotive software development</i> Johan ENGSTRÖM - Volvo Technology AB, Sweden
10:55 – 11:25	<i>Exhibition visit / Refreshment break</i>			
	Session 9A: Tool Chains Session Chair: Pierre VIELCANET, CS	Session 9B: Feedback and Perspectives Session Chair: François VERNIERES, Aerospace Valley	Session 9C: Formal Verification Session Chair : Jean-Paul BLANQUART, Astrium Satellites	
11:25 – 11:50	<i>SCADE 6 a Model Based Solution for Safety Critical Software Development</i> François Xabvier DORMOY - Esterel Technologies, France	<i>An Ontological Representation of the Characteristic Problems of Real-Time Systems</i> Antonio MONZON - EADS-CASA, Spain Jose-luis FERNANDEZ-SANCHEZ - Technical University of Madrid, Spain	<i>Equivalence Checking between Embedded C code and Corresponding Stateflow Diagram Specification.</i> Philippe BAUFRETON - Hispano-Suiza, France Marc SEGELKEN - OFFIS, Germany	
11:50 – 12:15	<i>An End-to-End Model Based Tool Chain for Architecture Exploration</i> Denis LAROUDIE - Geensys, France	<i>On-Board Software Roadmap for Space Complex Applications</i> Paul ARBERET - Centre National des études spatiales (CNES), France Jean-Loup TERRAILLON - ESA, Netherlands Alain ROSSIGNOL - ASTRIUM, France Christophe MORENO - TAS, France	<i>The Formal Methods Group of WG-71/ SC-205 - Progress Report July 2007</i> Duncan BROWN - Rolls-Royce, UK	
12:15 – 12:40	<i>A Toolchain for Designing and Implementing Performant, Flexible and Safety-Critical Applications</i> Mathieu LEMERRE, Vincent DAVID, Jean-Sylvain CAMIER, Damien CHABROL - CEA, LIST, France	<i>Using Linux for Industrial Projects – a Return of Experiences</i> Christian CHARREYRE - CIO Informatique Industrielle, France	<i>FBD-Based PLC Verification Demonstrated on Interlocking Software</i> Olivera PAVLOVIC, Ralf PINGER - Siemens AG, Transportation Systems, Germany Maik KOLLMANN - Technical University of Braunschweig, Institute of Information Systems, Germany	
12:40 – 14:10	<i>Exhibition visit / Lunch</i>			

	Session 10A: AADL and Performance Analysis Session Chair: Christel SEGUIN - ONERA CERT	Session 10B: Object Orientation for Real-Time Session Chair: Alain ROSSIGNOL - ASTRIUM Satellites SAS	Session 10C: Certification of Automatic Code Generation Session Chair: Emmanuel LEDINOT - Dassault Aviation
14:10 – 14:35	<i>Simulation of System Architectures with AADL</i> Jean-François TILMAN, Amélie SCHYN, Romain SEZESTRE - Axlog Ingénierie, France	<i>Programming Languages for Hard Real-Time Embedded Systems</i> Julien FORGET, Claire PAGETTI - ONERA, France Marc POUZET - LRI, France Frédéric BONIOL - ENSEEIHT, France David LESENS - Astrium Space Transportation, France	<i>Certifying an Automated Code Generator Using Formal Tools</i> Nassima IZERROUKEN, Xavier THIRIOUX, Marc PANTEL, Martin STRECKER - IRT, France
14:35 – 15:00	<i>Using AADL to Build Critical Real-time Systems: Experiments in the IST-ASSERT Project</i> Jerome HUGUES, Laurent PAUTET, Bechir ZALILA - GET-Telecom Paris, UMR 5141 CNRS, France Pierre DISSAUX - Ellidiss Technologies, France Maxime PERROTIN - ESA, Netherlands	<i>Static Data Flow Analysis for Realtime Java Runtime Error Detection</i> Fridtjof SIEBERT - Aicas, Germany	<i>GeneAuto: An Automatic Code Generator for a safe subset of SimuLink/StateFlow</i> Marc PANTEL, Marcel GANDRIAU - FÉRIA-IRIT/ENSEEIHT, University of Toulouse, France Tonu NAKS, Andres TOOM - IB Krates, Estonia Indra WATI - Cril Technologies (Groupe Alyotech), France
15:00 – 15:25	<i>Multi-Dimensional Model Based Development for Performance Critical Computer Systems Using the AADL</i> Bruce LEWIS - US Army RDEC, USA Peter FEILER - Software Eng Institute, USA	<i>Applying Java to the Domain of Hard Real-Time Systems</i> Kelvin NILSEN - Aonix, USA	<i>Certification of Model-based Code Generators- Open Problems and Possible Solutions</i> Ingo STUERMER - Model Engineering Solutions, Germany
15:25 – 16:00	<i>Stood and Cheddar: AADL as a Pivot Language for Analysing Performances of Real Time Architectures</i> Pierre DISSAUX - Ellidiss Technologies, France Frank SINGHOFF - University of Brest, France	<i>Forecasting of Object-Oriented Faults</i> Stephanie GAUDAN - Thales Avionics, France Gilles MOTET - INSA, France	<i>Case Study of ED-12B/DO-178B Tool Qualification for Auto-Code Generation Toolset</i> Scott BEECHER - UTC/Pratt & Whitney, USA
16:00 – 16:30	Closing Session: Gérard LADIER - Airbus and Congress Co-Chairman Jean-Luc MATÉ - Siemens VDO and Congress Co-Chairman Jean-Claude LAPRIE - LAAS-CNRS and Programme Committee Chairman		
16:30	<i>END OF CONGRESS</i>		

All along the conference, you'll be able to see demonstration of French robots (ISTY2000, SUPAERO, Lycée Louis Rascol) participating at EUROBOT competition.

An amazing event gathering fun, high technology, friendship, creativity, education and passion!

Created in 1998, Eurobot is an international amateur robotics contest open to teams of young people, organised either in student projects or in independent clubs. In 2007, the competition it's 27 countries, represented by 300 teams.

The robots visible at the demonstration have been made for the 2007 Eurobot edition, "Le tri des déchets", they are completely designed by students and full autonomous. These robots are fitted with a lot of sensors, mini-motors; microcontrollers (with embedded real time software) and also cameras...so don't hesitate to ask questions on their technologies!



ERTS EXHIBITION

EXHIBITION

This unique European event will bring together more than 600 participants: directors, managers, heads department, engineers, researchers and technicians. Representatives from universities and research as well as journalists, will also attend. An exceptional line-up of guests and speakers will be present occasion.

The Exhibition and conference areas are located under the same roof allowing attendees to visit booths January 30 & 31, February 1. Breaks, lunches and a welcome cocktail will be held in the exhibition area. For this edition, the organising committee will give more importance to the exhibition by:

- Offering more time during the breaks.
- Building a "virtual amphitheatre" in the exhibition area in order to allow each exhibitor to their products and services.
- Proposing "hospitality suits" in order to invite your customers and to facilitate networking.

6 m² Booth + Conference registration for 1 people: 2200 € VAT included.

9 m² Booth + Conference registration for 2 people: 3200 € VAT included.

The ERTS 2006 exhibition was the opportunity for the suppliers to show their products and know-how; for the local bodies to invite regional companies involved in the embedded systems; for everybody to start profitable contacts.

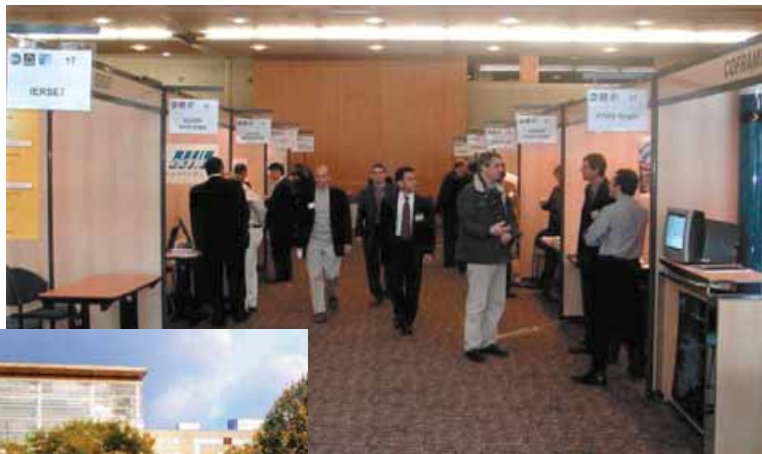
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For information on the ERTS 2008 exhibition, please visit www.erts2008.org
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ACCOMPANYING PERSON PROGRAMME

Pre-planned tours are available to the accompanying persons.
The minimum number of participants will be 20.

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Albi and Gaillac (one day tour), the Millau Viaduc and Roquefort (on day tour),
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TECHNICAL VISIT (Optional)

A380 Assembly line

**Price: 25 €
incl. VAT**

On Tuesday, January 29th, an exclusive technical visit will be organised, of the Airbus A380 assembly line (limited to 50 persons).

A shuttle service will be arranged from the Pierre Baudis Conference Center to Airbus - Shuttle Departure at 2.30 pm



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HOTEL ACCOMMODATION

We have selected a list of the most convenient hotels situated in the City Centre. Delegates are encouraged to make their own hotel reservations early, directly with the hotels of their choice. For complete choice list of hotels, try as well www.reserv-hotels.fr

Accommodation on the venue and close to the convention center

HOTEL	ADDRESSES	TELEPHONE	STARS
Mercure ATRIA	8 Esplanade Compans Caffarelli	33 (0)5-61-11-09-09	***
Novotel Toulouse Centre	5 Place Alphonse Jourdain	33 (0)5-61-21-74-74	***
Hôtel de Brienne	20, bd du Maréchal Leclerc	33 (0)5-61-23-60-60	***

Hotels located 10 to 20 minutes walking from the convention center

HOTEL	ADDRESSES	PHONE	STARS
Hôtel B and B City	77 Boulevard de l'Embouchure	33 (0)5-34-40-19-19	**
Etap Hôtel	27 Bd des Minimes	33 (0)8-92-68-31-10	**
Hôtel Ibis Centre	2 rue Claire Pauilhac	33 (0)5-61-63-61-63	**
Hôtel Ibis Ponts Jumeaux	98 Bd Marquette	33 (0)5-62-27-28-28	**
Hôtel de France	5 rue Austerlitz	33 (0)5-61-21-88-24	**
Mercure Wilson	7 rue Labéda	33 (0)5-34-45-40-60	***
Mercure Matabiau	64 Bd Pierre sénard	33 (0)5-34-41-36-70	***
Holiday Inn	13 Place Président Wilson	33 (0)5-61-10-70-70	***
Mercure St Georges	Rue Saint Jérôme	33 (0)5-62-27-79-79	***
Résidence Parthénon	86 Allées Jean Jaurès	33 (0)5-61-10-24-00	***
Frantour Victoria	76 rue Bayard	33 (0)5-61-62-50-90	***
Hôtel Jean Mermoz	50 rue Matabiau	33 (0)5-61-63-04-04	***
Résidence les Citadines	8 Bd de Strasbourg	33 (0)8-25-01-03-54	***
Hôtel des beaux arts	1 Place Pont Neuf	33 (0)5-34-45-42-42	***
Hôtel Athénées	13 bis rue Matabiau	33 (0)5-61-63-10-63	***
Sofitel Toulouse Centre	84 Allées Jean Jaurès	33 (0)5-61-10-23-10	****
Crowne Plaza	7 Place du Capitole	33 (0)5-61-61-19-19	****
Grand Hôtel de l'Opéra	1 Place du Capitole	33 (0)5-61-21-82-66	****

VENUE

ERTS 2008 will be held at the **Pierre Baudis Convention Center** in Toulouse. The Pierre Baudis Convention Center is located in the centre of Toulouse's cultural and commercial activity on the edge of the Compans-Caffarelli Park (7 hectares).

11, esplanade Compans Caffarelli - 31000 TOULOUSE - France
Tel: +33 (0)5 62 30 40 40 - Fax: +33 (0)5 62 30 41 41
www.centre-congres-toulouse.fr

LOCATION: TOULOUSE CITY

Toulouse: a subtle blend of humanity, history and modernity

From the Garonne to the Canal du Midi, and from Saint Sernin to the Cité de l'Espace, the many different faces of Toulouse invite visitors to come on a journey of discovery.

Besides a rugby playing temperament, the grace of the Canal du Midi and local cuisine - confit, foie gras and cassoulet served with excellent local wines such as Gaillac and Fronton, Toulouse offers its guests a rich heritage from medieval and renaissance times.

For further information on Toulouse and Midi Pyrenees Region: www.ot-toulouse.com





**4th International Congress
ERTS 2008
Embedded Real Time Software
29, 30, 31 January and 1st February 2008, Toulouse - FRANCE**

Please complete and return this form to:
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On-line Registration is strongly recommended via the Conference Website www.erts2008.org

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Please use BLOCK CAPITALS when filling in this form

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1

Registration to ERTS 2008 conference + Special day" Open Source"	Rates* before 20th December, 2007	Rates* from 21st December, 2007
Speaker, Session Chairs & Non-Profit- Making Organizations	560 €	610 €
Members*	740 €	800 €
Non members	800 €	870 €
Student / retired**	260 €	260 €
TOTAL 1:		

REGISTRATION TO ERTS 2008 :

The registration fees include access to the sessions & Exhibition, final programme & book of Abstract, proceedings, coffee breaks & lunches on 30-31 January & 1st February and Gala Dinner for 1 person***, Access to the "Open Source & Embedded Real Time Software" special event sessions, proceedings, coffee breaks & lunch on 29 January 2008,

*Members: Individuals Members of SIA, AAAF, SEE

** Student - Retired registration fees do not include the gala dinner

***Gala Dinner is limited to 400 people. Places will be attributed on a first-come, first-served basis; **attendance must be confirmed at the time of the registration.**

Ticket requested for accompanying person will be considered from 15th January according to the availability.

I will attend the Open Source Day **I will not attend the Open Source Day**
I will attend the gala dinner **I will not attend the gala dinner**

Registration only to the “Open Source & Embedded Real Time Software” special event on the 29th January

2

Registration to the Special Event “Open Source” only	Rates before 20th December, 2007	Rates from 21st December, 2007
“Open Source & Embedded Real Time Software” special event on 29 January 2008	150€	200€
TOTAL 2:		

Registration fees include: Access to the “Open Source & Embedded Real Time Software” special event sessions, proceedings, Coffee breaks and Lunch on 29th January, 2008.

3

Technical visit	
Technical Visit on Tuesday January 29, from 14:30 pm to 18:00pm (Optional) : Airbus	25€
TOTAL 3:	

For security reasons it is mandatory that participants in technical visits provide a copy of their passport or ID card (for UE citizens) to SEE before January, 15 2008 (fax :+ 33 (0) 1 56 90 37 08)
Thank you for filling in the following details:

First Name :
 Last Name :
 Birth Name :
 Nationality :
 Place of birth : Date of birth:

REGISTRATION POLICY

REGISTRATION BY PURCHASE ORDER: Registration by purchase order is possible. In order to do it please return the registration form together with the purchase order to SEE 17 rue Hamelin 75783 Paris cedex 16 or by fax at + 33 (0) 1 56 90 37 08.

CANCELLATION: Registrations cancelled by letter or fax will be honoured if received by January 15th, 2008. After this date, all registrations will be considered final and the corresponding fees owing in full. The organizer cannot take responsibility for cancellations made after this date, and reimbursement will not be possible.

PAYMENT

TOTAL AMOUNT TO BE PAID: **TOTAL 1** or **TOTAL 2 + TOTAL 3** = _____

- Check in Euros made payable to SEE / ERTS 2008
- By bank transfer in Euros made payable to “SEE / ERTS 2008” with no charge for the beneficiary

Bank Address: BNP Montparnasse Ent. (00274), Bank # 00274, Bank code # 30004, Account # 00010336242,
RIB code 58, IBAN code : FR76 3000 4002 7400 01033624258, BIC : BNPAFRPPXV

- Credit Card Visa Euro/Mastercard American Express

I hereby authorise the SEE to charge my credit card with the amount of: _____ €

Card n°: Expiry date:

Cardholder’s name: Last 3 digits (back of credit card) _ _ _

Signature: Date:

SEE / ERTS 2008
SEE, 17 rue de l’Amiral Hamelin - 75783 PARIS CEDEX 16 - France
Tel: +33 (0)1 56 90 37 02 - Fax: +33 (0)1 56 90 37 08
E-mail: erts08@see.asso.fr



ACCESS

By plane: There are direct connections by air between the major European cities and Toulouse. Alternatively Air France offers connection in Paris through its hub in Charles de Gaulle airport, or a shuttle service from Orly airport. From Toulouse-Blagnac airport to the city centre, there is a shuttle bus operating every 20 minutes. The shuttle service stops just in front of the Centre de Congrès Pierre Baudis at the stop known as: Compans Caffarelli, or a taxi ride will take about 10 minutes.

By train : You can try-out the high speed train (TGV) from Paris Montparnasse station, but the journey will take more than 5 hours since the special tracks are available only for part of the trip.

Metro Station: Compans Caffarelli (Ligne B).



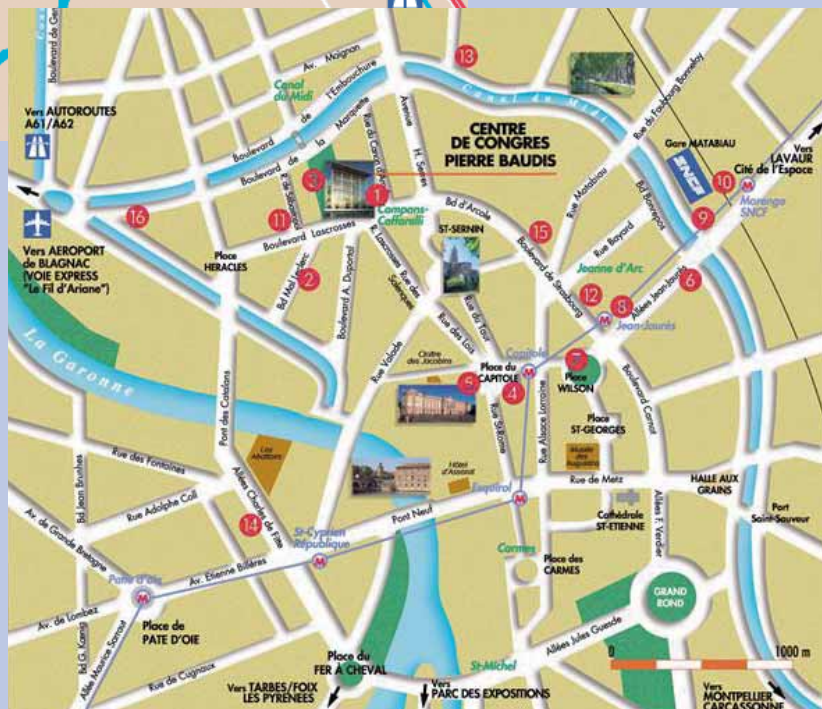
Special transport agreement for ERTS attendees:

A special agreement with AIR FRANCE and the French Railways has been settled by the ERTS 2008 organizers.

French Railways

Please contact SEE office (erts2008@see.asso.fr) in order to get a SNCF (French Railways) voucher.

Upon presentation of this voucher at a station, you will be issued with a return ticket subject to the conditions of Congress fare. This fare is available on all SNCF lines and gives the benefit of a 20% reduction in 1st or 2nd class.



Air France

Discounts are applied to a wide range of airfares, in all classes of travel (Espace Première (First), Espace Affaires (Business) and Tempo (Coach) on all Air France flights

To access the preferential fares granted for this event, use this link:

www.airfrance-globalmeetings

This present document of the event serves to justify the application of the preferential airfare. Keep it with you as you may be asked for it at any point of your journey.

To locate your nearest Air France sales point, consult: www.airfrance.com



AGREMENT AIR FRANCE : 03111AF
Valid for travel from 24/01/2008 to 06/02/2008

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