

ASSERT PROJECT PUBLICATIONS

1. **Christophe Honvault¹, Marc Le Roy¹, Pascal Gulaz², Jean Charles Fabres, Gérard Le Lann, Eric Bornschlegl** Novel Generic Middleware Building Blocks for Dependable Modular Avionics System, *Fifth European Dependable Computing Conference, Budapest, Hungary, April 20-22, 2005*
2. **Martin Bieli, Gerard Lelann, Ulrich Schmid**, Proof based System Engineering using a Virtual System Model, *Proceedings of 2nd Int. Service Availability Forum (ISAS'05)*, April 25-26, 2005 - Berlin, Germany
3. **Pierre Dissaux** TNI-EUROPE AADL Model Transformations, *Proceedings of 2nd Int. Service Availability Forum (ISAS'05)*, April 25-26, 2005 - Berlin, Germany
4. **Ann Cass**, The ASSERT Process: A new Lifecycle for the Development of Aerospace system, *Proceedings International Space System Engineering Conference; Data Systems In Aerospace (DASIA '2005), Edinburgh (GB)*
5. **Jean Arlat, Laurent Pautet** A middleware to support dependability, distribution and hard real-time facilities, *Proceedings of the International Space System Engineering Conference; Data Systems In Aerospace (DASIA '2005), Edinburgh (GB)*, 30 Mai - 2 Juin 2005, 5p.
6. **José A. Pulido, Santiago Urueña, Juan A. de la Puente, and Juan Zamorano**, Adding new features to the Open Ravenscar Kernel, *Proceedings OSPERT2005, workshop at the Euromicro Intl Conference on Real-Time Systems Palma de Mallorca, Spain, July 6 - 8, 2005*
7. **Thomas Vergnaud, Jérôme Hugues, Laurent Pautet, and Fabrice Kordon**. Rapid Development Methodology for Customized Middleware. *Proceedings of the 16th IEEE International Workshop on Rapid System Prototyping (RSP'05)*, pages 111-117, Montreal, Canada, June 2005. IEEE
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9. **Jérôme Hugues, Fabrice Kordon, and Laurent Pautet**. Revisiting COTS middleware for DRE systems. *Proceedings of the 8th IEEE International Symposium on Object-oriented Real-time distributed Computing (ISORC'05)*, pages 72-79, Seattle, WA, USA, May 2005. IEEE.
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12. **José A. Pulido, Santiago Urueña, Juan A. de la Puente, and Juan Zamorano**. Using an Architecture Description Language to Model Real-Time Kernels. In J.A. de la Puente (ed.), *I Simposio sobre sistemas de tiempo real (CEDI 2005)*. Thomson-Paraninfo. ISBN 84-9732-448-X
13. **Jérôme Hugues, Bechir Zalila, and Laurent Pautet**. Middleware and Tool suite for High Integrity Systems. *Proceedings of RTSS-WiP'06*, pages 1 - 4, Rio de Janeiro, Brazil, December 2006. IEEE.
14. **An Integrated Metamodel Driven Process Focusing on Reuse and Correctness**, *Workshop on Model and Analysis Methods for Automotive Systems"*, IEEE International Real-Time Systems Symposium <http://www.rtss.org/>
15. **Khaled Barbaria, Laurent Pautet and Isabelle Perseil**. Schizophrenic Middleware Support for Fault Tolerance. *Proceedings of ACM SIGAda 2006*.
16. **Tullio Vardanega**. A Property-Preserving Reuse-Geared Approach to Model-Driven Development. *Proceedings of the 12th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (invited paper)*, 223-230, August 2006 (ISBN: 0-7695-2676-4, ISSN: 1533-2306).

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18. **Jérôme Hugues, Fabrice Kordon, and Laurent Pautet.** A framework for DRE middleware, an application to DDS. Proceedings of the *9th IEEE International Symposium on Object-oriented Real-time distributed Computing (ISORC'06)*, pages 224-231, Gyeongju, Korea, April 2006. IEEE.
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20. **Jean-Paul Blanquart, Alain Rossignol, Dave Thomas** Toward model-based engineering for space embedded systems and software, Proceedings of the *Embedded Realtime Software Conference ERTSS 2006*, Toulouse January 2006.
21. **V. Cechticky, M. Egli, A. Pasetti, O. Rohlik, and T. Vardanega.** A UML Profile for Designing Reusable and Verifiable Software Components for On-Board Applications". DASIA2006 conference, May 2006 (<http://perso.wanadoo.fr/eurospace/dasia.html>).
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24. **E. Jahier, N. Halbwachs, P. Raymond, X. Nicollin and D. Lesens** Virtual Execution of AADL Models via a Translation into Synchronous Programs *EMSOFT 2007 Salzburg, Austria*, October 2007
25. **Irfan Hamid and Elie Najm.** Real-time Connectors for Deterministic Data-flow. Proceedings of the *13th IEEE International Conference on Embedded and Real-time Computing Systems and Applications*. August 2007.
26. **Marco Panunzio and Tullio Vardanega.** An Approach to the Timing Analysis of Hierarchical Systems. Proceedings of the *13th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications*, August 2007.
27. **Juan Zamorano, Juan A. de la Puente, Jérôme Hugues and Tullio Vardanega.** Run-time mechanisms for property preservation in high-integrity real-time systems. Proceedings of *OSPERS 2007 — Workshop on Operating Systems Platforms for Embedded Real-Time applications*. Pisa, Italy, July 2007.
28. **Matteo Bordin, Marco Panunzio and Tullio Vardanega.** A Metamodel-driven Development for Statically Verifiable Real-Time Systems', *Work-in-Progress track of the 19th Euromicro Conference on Real-Time Systems*, July 2007.
29. **Bechir Zalila, Irfan Hamid, Jérôme Hugues, and Laurent Pautet.** Generating Distributed High Integrity Applications from their Architectural Description. Proceedings of the *12th Conference on Reliable Software Technologies – Ada-Europe'07*, Geneva, Switzerland, Springer Verlag. June 2007.
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37. **Jose Pulido, Juan A. de la Puente, Matteo Bordin, Tullio Vardanega, and Jérôme Hugues.** Ada 2005 Code Patterns for Metamodel-Based Code Generation. Proceedings of the *13th International Real-Time Ada Workshop*, Woodstock, Vermont USA, April 2007.
38. **Irfan Hamid, Bechir Zalila, Elie Najm, and Jérôme Hugues.** A Generative Approach to Building a Framework for Hard Real-Time Applications. Proceedings of the *31st Annual NASA Goddard Software Engineering Workshop*, Baltimore, USA, March 2007.
39. **Matteo Bordin, Tullio Vardanega.** Real-Time Java from an Automated Code Generation Perspective. Proceedings of the *5th International Workshop on Java Technologies for Real-Time and Embedded Systems*, 63-72, ACM, September 2007.
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44. **Maxime Perrotin (ESA), Pierre Dissaux (Ellidiss) Jérôme Hugues and Laurent Pautet (ENST)** Using AADL to build critical real-time systems: experiments in the IST-ASSERT project domain ERTS2008 Toulouse January 2008
45. **Maurice Heitz, Sebastien Gabel, Julien Honoré, Xavier Dumas/CS, Iulan Ober/IRIT and David Lesens/ASTRIUM-ST** Supporting a Multi-formalism Model Driven Development Process with Model Transformation, a TOPCASED implementation ERTS2008 Toulouse January 2008
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