



13th International Real-Time Ada Workshop
IRTAW-13
17-19 April 2007
Woodstock Inn
Woodstock, Vermont
USA

CALL FOR PARTICIPATION

For over 20 years the series of **International Real-Time Ada Workshop** meetings has provided a forum for identifying issues with real-time system support in Ada and for exploring possible approaches and solutions, and has attracted participation from key members of the research, user, and implementer communities worldwide. Since the standardization of Ada 95, the **IRTAW** series has assisted in the review of the real-time related portions of the *Guide for the Use of the Ada Programming Language for High Integrity Systems* (ISO/IEC TR 15942:2000) and has developed and promoted the Ravenscar tasking profile. Recent IRTAW meetings have significantly contributed to the new Ada 2005 standard, especially with respect to the tasking features, the Real-Time and High-Integrity systems annexes, and the standardization of the Ravenscar profile.

In keeping with this tradition, and in light of the formal approval of the Ada 2005 language standard, the goals of **IRTAW-13** will be to:

- examine early experiences in using Ada 2005 for the development of real-time systems and applications;
- report on or illustrate implementation approaches for the new real-time features of Ada 2005;
- consider the added value of developing other real-time Ada profiles in addition to the Ravenscar profile;
- examine the implications to Ada of the growing use of multiprocessors in the development of real-time systems, particularly with regard to predictability, robustness, and other issues;
- examine and develop paradigms for using Ada 2005 for real-time distributed systems, taking into account robustness as well as hard, flexible and application-defined scheduling;
- consider the definition of specific patterns and libraries for real-time systems development in Ada;
- identify how Ada relates to the certification of safety-critical and/or security-critical real-time systems;
- review the status and contents of the current ISO reports related to real-time Ada and consider the interest of developing new secondary standards or extensions;
- examine the status of the Real-Time Specification for Java and other languages for real-time systems development, and consider user experience with current implementations and with issues of interoperability with Ada in embedded real-time systems;
- consider the lessons learned from industrial experience with Ada and the Ravenscar Profile in actual real-time projects.

Participation at **IRTAW-13** is by invitation following the submission of a position paper addressing one or more of the above topics.

Position papers should not exceed 6 pages, plus code listings if needed. Accepted papers will appear in their final form in the Workshop Proceedings, which will be published as a special issue of ACM SIGAda's *Ada Letters* (ACM Press).

Please submit position papers, in pdf format, to the Program Chair by e-mail: jpuente@dit.upm.es

Program Committee

Ben Brosgol (Local Chair), Alan Burns, Michael Gonzalez Harbour, Stephen Michell, Javier Miranda, Luis Miguel Pinho, Juan Antonio de la Puente (Program Chair), Jorge Real, José Ruiz, Tullio Vardanega, Andy Wellings.

Important Dates

Receipt of Position Paper:	12 January 2007
Notification of Acceptance:	16 February 2007
Final Copy of Paper:	16 March 2007
Workshop Date:	17-19 April 2007

www.adaresource.org/irtaw13/

*Sponsored in part by Ada-Europe (approval pending),
the Ada Resource Association,
and ARTIST2*