Call for Papers

Over the last 15 years, the series of the **International Workshop on Real-Time Ada Issues** have provided focus for identifying issues with Ada 83 and 95; for proposing solutions to those problems; and for evaluating proposed changes to the language standard.

Since the standardization of Ada 95, the **IRTAW** series have assisted in the review of the real-time related chapters of the *Guide for the Use of the Ada Programming Language for High Integrity Systems* (ISO/IEC TR 15942:2000) and have developed and promoted the Ravenscar Tasking Profile.

With the advent of Java and the development of Real Time Specification for Java, the Workshop has begun to consider the integration of embedded Ada and Java systems, and their interoperability.

In keeping with this tradition, the goals of **IRTAW-12** will be to:

- Examine the shape and the status of the language amendments proposed or promoted by previous **IRTAW** editions, with respect to the ongoing Ada language revision process, as well as the demand for further enhancements

- Consider the lessons learned from industrial experience with using Ada 95 in general and the Ravenscar Profile in particular in actual real-time projects

- Examine and develop paradigms for using Ada 95 for real-time distributed systems, including issues of robustness as well as of hard, flexible and application-defined scheduling

- Consider the impact of the OOP paradigm on multi-threaded, possibly distributed, real-time systems

- Review the status and contents of the *Guide for the Use of the Ada Ravenscar Profile in High Integrity Systems* (to become an ISO/IEC TR) and examine the issues of certifying software systems developed using Ada 95

- Examine the status of and the progress with the Real-Time Specification for Java and consider user experience with the reference implementation and with issues of interoperability with Ada in embedded real-time systems.

Participation at **IRTAW-12** is by invitation following the submission of a position paper addressing one or more of the above topics. Position papers should not exceed six pages. All accepted papers will appear, in their final form, in the Workshop Proceedings, which will be published as a special issue of Ada Letters (ACM Press).

Submit position papers, in PDF, to the Program Chair by e-mail at: **tullio.vardanega@math.unipd.it**

Program Committee:

Ben Brosgol, Alan Burns, Brian Dobbing, Michael Gonzalez Harbour, Mike Kamrad, Stephen Michell, Luis Miguel Pinho (Local Chair), Juan Antonio de la Puente, George Romanski, Joyce Tokar, Tullio Vardanega (Program Chair), Andy Wellings.

Important Dates

Receipt of Position Paper: 1 June 2003
Notification of Acceptance: 30 June 2003

Final Copy of Paper: 1 November 2003
Workshop Date: 15-19 September 2003

http://www.hurray.isep.ipp.pt/irtaw2003