ACM SIGAda Annual International Conference - SIGAda 2002

8-12 December 2002, Houston at Clear Lake, Texas, USA
http://www.acm.org/sigada/conf/sigada2002

SIGAda will be conducting its SIGAda 2002 Conference in Houston at Clear Lake, Texas this December from 8-12 December. Houston has been an excellent technology-based city and is home to many NASA activities. Our hotel venue will be right across the street from the NASA/Johnson Space Center. We are currently working with NASA for a tour of their facilities as part of our evening activities. This is a beautiful time in Texas with extremely pleasing weather and pleasant beaches. We look forward to seeing you!

Constructing reliable software is an engineering challenge. The application of methods, tools, and languages interrelate to make the challenge easier or more difficult. This conference focuses on the interaction between these three aspects of software engineering, especially how features in a language such as Ada drive the tools, methods, and ultimately correctness, reliability, and quality of the resulting software. Papers have been solicited that analyze Ada with respect to these factors or in comparison with other languages. This conference will gather industrial experts, educators, software engineers, and researchers interested in developing and testing reliable software. Technical and theoretical papers as well as experience reports with a focus on Ada have been solicited in the following areas:

- Reliability needs and styles
- Safety and high integrity issues
- Use of the Ada Distributed Systems Annex
- Process and quality metrics
- Testing and validation
- Standards
- Use of ASIS for new Ada tool development
- Relationships between Ada and real-time Java
- Mixed-language development
- Ada in XML environments
- Quality Assurance
- Ada education
- Use of Real-Time CORBA
- Real-time networking/quality of service guarantees
- Fault tolerance and recovery
- Distributed system load balancing
- Static and dynamic code analysis
- Performance analysis
- Debugging complex systems
- Integrating COTS software components
- System Architecture & Design
- Information Assurance

Special Keynote Presentations:
Robert Dewar
President. Ada Core Technologies

Although the deadline for papers and experience reports has passed, SIGAda 2002 is interested in your participation in the following categories:

Workshops are focused work sessions, which provide a forum for knowledgeable professionals to explore issues, exchange views, and perhaps produce a report on a particular subject. A list of planned workshops and requirements for participation will be published in the SIGAda 2002 Advance Program. Workshop proposals will be evaluated by the Program Committee and selected based on their applicability to the conference and potential for attracting participants. Proposals should state the problem or issue to be addressed, the coordinator(s), and criteria for participant selection.

Panel Sessions gather a group of experts on a particular topic who present their views and then exchange views with each other and the audience. Panel proposals should be 1-2 pages in length, identifying the topic, coordinator, and potential panelists.

Posters provide a different forum for both completed work and work in progress. Poster proposals should be 1-2 pages in length. We particularly encourage students to showcase their work as a poster at SIGAda 2002.

Vendors please contact Hal Hart (Hal.Hart@ACM.Org) for information about participation at SIGAda 2002.

Please submit **Workshop proposals, Panel Sessions, and Posters** to the Program Chair, John McCormick (McCormick@cs.uni.edu).

Please submit questions on the conference to the Conference Chair, Salih Yurttas (yurttas@cs.tamu.edu).

SIGAdaa 2002 is sponsored by ACM SIGAda.

The conference is shaping up to be exciting and extremely valuable to those developing systems in Ada. This is a good time to make your plans to attend!

For additional information and latest updates, please visit the SIGAda 2002 Home Page:
http://www.acm.org/sigada/conf/sigada2002