

ACM SIGAda Annual International Conference - SIGAda 2001

Twin Cities, Minnesota

30 September - 4 October 2001

The Twin Cities of Minneapolis and St. Paul Minnesota have been selected to host this year's annual international SIGAda conference. The Twin Cities have a long history of applying the Ada language. An early Ada project was done in Minneapolis at Honeywell Systems & Research Center as part of the language definition phase in the early 1980s. Today, the upper Midwest continues to see significant Ada work being done at companies such as United Defense in Minneapolis, Minnesota and Rockwell Collins in Cedar Rapids, Iowa. The conference will showcase the region and the support for Ada as well as expose the usage of Ada around the world.

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 papers and experience reports have been solicited in the following areas:

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

Although the deadline for technical papers and experience reports has passed, we are interested in your participation in the following categories:

Workshops and Birds of a Feather (BOFs) 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. We are currently soliciting workshops and BOFs for SIGAda 2001. The focused workshop has a defined goal; a report is expected which will be published in Ada Letters. The BOF gives you the opportunity to discuss things of importance in an informal venue; no report is expected. Those interested in proposing a workshop or BOF should contact the SIGAda 2001 Conference Workshops Chair, James E Hassett <hassett@acm.org>. Workshop and BOF proposals should contain a title as well as a short abstract identifying its goal/purpose/outcome.

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.

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 2001.

Those interested in proposing a panel session or poster should contact the SIGAda 2001 Conference Program Chair, John McCormick <john.mccormick@uni.edu>.

Vendor Participation, including presentations from vendors on their products and services. For specific information, please contact:

Hal Hart <Hal.Hart@ACM.org>

Please submit questions on the conference to the Conference Chair, Paul Stachour <Paul.Stachour@stachour.com>.

SIGAda 2001 is sponsored by ACM SIGAda, in cooperation with Ada Europe, SIGAPP, SIGCAS, SIGCSE, SIGPLAN, and SIGSOFT (approval pending).

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 Conference website

<http://www.acm.org/sigada/conf/sigada2001/>