



ACM SIGAda's Annual International Conference:

As we approach the next millennium, our SIGAda 2000 Conference will be a special technology update on Ada and the related technologies enabling Ada to be successful where reliable software matters. Ada has been a key development language in hard real-time/distributed systems for defense, space, aeronautics, ground transportation, air transportation, industrial process control, sensor processing, communications, and scientific research.

In addition, a new wave of exciting and promising Ada developments has appeared in the last few years. This conference will address these developments and the technology that makes them possible to make you more effective as a developer, educator, or technical manager. This is a conference you need to attend.

SIGAda 2000

**Johns Hopkins University /
Applied Physics Laboratory
Laurel MD, USA
November 12-16, 2000**

Sponsored by ACM's Special Interest Group on the Ada Programming Language,
In Cooperation With Ada-Europe (approval pending),
SIGAPP, SIGBIO, SIGCAS, SIGCSE, SIGPLAN, and SIGSOFT
and Hosted by Baltimore and DC SIGAda Chapters

Ada Technology Update

INVITED SPEAKERS INCLUDE:

**Lars Asplund
Ted Baker
Brad Balfour
David Botton
Emmanuel Briot
Ben Brosgol
Alan Burns
Rod Chapman
Arnaud Charlet
Richard Conn**

**David A. Cook
Dan Cooper
Jon Dehn
Robert B. K. Dewar
Dave Emery
Michael Feldman
Franco Gasperoni
Dave Hardin
Doug Jensen
Mike Kamrad**

**Judith Klein
Thierry Lelegard
James W. Moore
Laurent Pautet
Juan de la Puente
George Romanski
Kelly L. Spicer
S. Tucker Taft
Joyce Tokar**

For recent updates, please see the SIGAda 2000 Website

<http://www.acm.org/sigada/conf/sigada2000>

Preliminary Advance Program

Tutorials, Speakers, and Workshops
Registration Form enclosed

TUTORIALS

SIGAda 2000 will offer two days of outstanding technical tutorials led by some of the most respected instructors in the industry. More than a dozen half and full-day sessions have been selected to meet the needs of software developers in today's demanding environments.

(See page 2 for Tutorial Titles)

Full Conference Program available in August

SIGAda 2000 TUTORIAL PROGRAM

SUNDAY, 12 November

Full-Day Tutorials

- SF1 **Introduction to Ada and Ada95 Programming Language**
David A. Cook and Leslie Dupaix
- SF2 **The Personal Software Process**
Dan Roy
- SF3 **Implementing Design Patterns in Ada95**
Matthew Heaney
- SF4 **Real-Time and Non-Real-Time CORBA Programming for Ada 95**
Brad Balfour
- SF5 **Developing COM, DCOM, and COM+ Enabled Applications with Ada95**
David Botton
- SF6 **Java for Ada Programmers**
Ben Brosgol
- SF7 **The Cleanroom Methodology**
Bill Bail

Our tutorial program features a full line-up of Ada 95 and object-oriented technology sessions and covers a broad range of disciplines including systems and software engineering, software process standards-based development, architecture, software tools, reuse, and the World Wide Web.

EXHIBITORS

SIGAda 2000 will include vendor participation, featuring presentations on their products and services. For specific information, please contact the Exhibits Chair: Hal Hart, TRW +1-310-764-6880
Email: Hal.Hart@acm.org or see:
<http://www.acm.org/sigs/sigada/conf/sigada2000/exhibit-sponsor-opportunities.html>

WORKSHOPS

Focused workshops will be conducted at varying times during the five days of the conference. Workshops in past years have included Real-time Design Issues, Pattern Reuse, and ASIS. Full workshop descriptions will be on the conference website, and workshop participation will be free to conference registrants. To propose a workshop, please contact the Workshop Chair, Alok Srivastava Email: Alok.CTR.Srivastava@faa.gov

GRANTS TO EDUCATORS

As in past years, SIGAda is offering grants to educators to attend the conference. Grants cover the registration and tutorial fees; travel funds are not available. Details on the grant program are available from: Prof. Michael B. Feldman Tel: +1 202 994-5919
Fax: +1 202 994-0227
Email: mfeldman@seas.gwu.edu or see:
<http://www.acm.org/sigada/conf/sigada2000/grants.html>

STUDENT WORK-GRANTS & DAILY NEWSLETTER

SIGAda 2000 will feature a daily newsletter Ada's Window on the World, (AWOW) mixing interviews with key people, session summaries, and previews of next-day activities with local color, general computing thought pieces, and relevant world news briefs — in an informal, fun format. A limited number of student grants are available to staff AWOW. Work involves full participation in conference activities, writing some of the articles, and production editing for some; an estimated 2-3 hours of newspaper work nightly will be required, Monday - Wednesday (Sunday, too, for those who arrive by then). Benefits include free lodging (2 or more per room) and free conference & tutorials registration. A room with computer production facilities and local ACM support will be provided.

Interested students should contact SIGAda Vice Chair for Liaison
Ron Oliver at: sroliver@CSC.CALPOLY.EDU

MONDAY, 13 November

Full-Day Tutorials

- MF1 **GtkAda, an Ada95 Object-Oriented Graphic Toolkit & GUI Builder**
Arnaud Charlet and Emmanuel Briot
- MF2 **Web Technologies for Effective Dissemination of Information**
Currie Colket, John McCormick, Clyde Roby, and David A. Wheeler

Half-Day Tutorials

Monday Morning

- MA1 **SPARK - High Integrity Ada Programming**
John Barnes
- MA2 **JGNAT for Ada using GNAT**
Gary Dismukes
- MA3 **Ada Tasking**
David A. Cook
- MA4 **TASH - an Ada Binding to TCL/Tk**
Terry Wesley

Monday Afternoon

- MP1 **Building Ada Development Tools with ASIS-for-GNAT**
Sergey Rybin and Vasily Fofanov
- MP2 **New Directions in Windows GUI Programming**
David Botton
- MP3 **Software Systems Architecture: A Practical Architectural Method**
David Emery
- MP4 **The Software Engineering Body of Knowledge (SWEBOK)**
James W. Moore

Conference Officers

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*Education WG Chair,
Michael Feldman
George Washington University
(mfeldman@seas.gwu.edu)*

Advance Registration Form

for On-line registration, select: *Registration* from <http://www.acm.org/sigada/conf/sigada2000>

First Name (Dr/Mr/Mrs/Ms.)	Middle Initial	Last Name
Title		
Badge Name (as you wish it to appear)		
Organization/Affiliation		
Address		
City	State/Province	
Zip/Postal Code	Country	
Telephone	Fax	

E-mail Address _____
 Sponsoring or Cooperating Society & Member No. _____
 You must provide your membership number above to qualify for discount. If you are not a member, join SIGAda and/or ACM now, and save money!



Sponsored by ACM SIGAda
November 12 - 16, 2000

ACM & SIGAda Membership

- SIGAda Membership Only (non-ACM) \$25
- ACM Associate Membership (special rate) \$95
- Add SIGAda to ACM Membership \$25
- ACM Student Membership \$38
- Add SIGAda Student to
 ACM Student Membership \$10

Total Membership Dues \$ _____

“To advance the sciences and arts of information processing, to promote the free interchange of information about the sciences and arts of information processing both among specialists and among the public, and to develop and maintain the integrity and competence of individuals engaged in the practice of information processing. As an ACM member, I subscribe to the purposes of ACM”.

Signature _____ Date _____

RATE SCHEDULE (circle the applicable fees)

	Member		Non-Member		Full-Time Student	
	On/Before Oct 20	After Oct 20	On/Before Oct 20	After Oct 20	On/Before Oct 20	After Oct 20
Conference - Three Days	\$400	\$550	\$550	\$700	\$50	\$50
Conference - Any One Day	\$250	\$250	\$250	\$250	\$50	\$50
<input type="checkbox"/> TUE <input type="checkbox"/> WED <input type="checkbox"/> THU						
Tutorials - Two Days	\$500	\$600	\$700	\$800	\$50	\$50
Tutorials - One Day or 2 Half Days	\$350	\$450	\$450	\$550	\$25	\$25

Tutorials are assigned first-come, first-served. Please circle the chosen tutorials in the Tutorial Selections box. Avoid scheduling conflicts.

TUTORIAL SELECTIONS AL6

	<small>(circle tutorial numbers)</small>						
Sunday Full-day	SF1	SF2	SF3	SF4	SF5	SF6	SF7
Monday Full-day		MF1	MF2				
Monday Half-day AM		MA1	MA2	MA3	MA4		
Monday Half-day PM		MP1	MP2	MP3	MP4		

Conference: Includes entry to all conference sessions, exposition, Tuesday Evening Reception, and one copy of Proceedings.
 Conference - Any One Day: Includes entry to conference sessions, exposition, Tuesday Evening Reception, and one copy of Proceedings.
 Tutorials - Two Days: Includes tutorial sessions totalling 2 days, exposition, and a Full Tutorials CDROM.
 Tutorials - One Day: Includes entry to one full-day or two half-day tutorial sessions, exposition, and a Full Tutorials CDROM.

- Special Needs (please specify if any): _____
- Check here if you do NOT want your address distributed.

PAYMENT COMPUTATION

<input type="checkbox"/> Conference Fee	\$ _____
<input type="checkbox"/> Tutorials Fee	\$ _____
<input type="checkbox"/> Membership Dues	\$ _____
<input type="checkbox"/> Additional Proceedings: _____ copies x \$50	\$ _____
<input type="checkbox"/> Additional Tuesday Evening Reception: _____ tickets x \$40	\$ _____

TOTAL FEES ENCLOSED \$ _____

PAYMENT OPTIONS

IMPORTANT: Your signature indicates your agreement to pay the conference fees with the credit card number you specified below. Please be advised that this transaction will be described on your monthly statement as a charge from **SIGAda 2000 CONFERENCE FEE**.

Card Nr. _____ Good Thru: _____
 Cardholder's Name _____
 Cardholder's Signature _____
 Billing Address: _____
 (if different from above)

Cancellation Policy: Confirmed registrants who cannot attend, and do not send a substitute, are entitled to a refund of paid fees (less a \$50 processing fee) if a request is received in writing on or before October 20, 2000. Registrants are liable for their full fees after that date.

Those registered before 20 October 2000 will receive confirmation by fax or mail.

Mail Form with payment to:
ACM SIGAda 2000
C/O Thomas A. Panfil
REGISTRATION CHAIR
PO BOX 5210
LAUREL MD 20726-5210

Fax to: +1-301-604-3204

Faxed forms must include credit card payment information. Phone registrations are not accepted. For registration inquiries only, please call +1-301-498-7313 or e-mail: tapanfil@ieee.org

For additional information, visit our web site at: <http://www.acm.org/sigada/conf/sigada2000/>

Please return this form with full payment or it cannot be processed.

- Check payable to **ACM SIGAda 2000**
- Visa
- MasterCard
- American Express

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HOTEL RESERVATIONS

A block of rooms has been set aside for SIGAda 2000 Conference attendees at the rate of **\$109 (USD)** single/\$119 double per night. Please identify your affiliation with SIGAda 2000 to receive this rate. We are fortunate to have the same low government rate for all SIGAda Conference Attendees. Rooms in this block will be available at this rate until October 23, 2000, after which the Conference rate or room availability cannot be guaranteed. Register early to obtain the Conference rate. Shuttles will be available between the hotel and the conference venue at APL. Please make your Hotel reservations directly with

The Sheraton Columbia Hotel 10207 Wincopin Circle Columbia, MD 21044
+1 (800) 638-2817 (US & Canada only) +1-410-730-3900 +1-410-730-2212 (FAX)