

## Candidate for Chair

Steven M. Lathrop  
NAVSSSES - Philadelphia (AMSEC LLC), Philadelphia, PA USA

### **BIOGRAPHY**

#### Academic Background:

Bachelors of Arts, Rutgers-Camden College of Arts and Sciences, 1997, Computer Science.

#### Professional Experience:

CG47 ISC Project Team Lead Programmer, NAVSSSES - Philadelphia (AMSEC LLC), Philadelphia, PA, 2001 – 2009;  
Software Engineer, CIGNA/ACE/IBM, Philadelphia, PA, 1998 – 2001;  
Software Engineer, ARINC, Annapolis, MD, 1997 – 1998.

#### Professional Interest:

Software-Based Distributed Control Systems; Human-Machine Interface Engineering; Distributed Database Engineering; Robotics; Computer Aided Manufacturing.

### **STATEMENT**

As SIGAda Chair, I intend to expand the use of Ada in Software Engineering by directly challenging C and C++ as de facto languages of choice. I plan to accomplish this by organizing three communities of Ada enthusiasts: a community of Ada evangelists, a community of Software Architects, and a community of Ada educators.

Ada evangelists will be tasked to peer-review C and C++ articles and raise legitimate concerns, badger editors for Ada version of their articles, author articles using Ada for their examples and author articles specifically touting Ada as the language of choice.

Software Architects will be tasked to develop a thorough library of software, including an Ada set of drivers for the PC architecture, an Ada version of Linux, and an RTOS.

Ada educators will be tasked to develop an Ada-based Software Engineering curriculum, a set of on-line class material for use by qualified on-line Universities, write Ada companion texts to industry-standard titles, and participate in Peer-Reviews of submitted code.

As an organization, we will develop our use of on-line collaboration tools, so that every Ada user feels connected to a larger community.

Thank you for your support.

## Candidate for Chair

Ricky E. Sward  
The MITRE Corp, Colorado Springs, CO USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., AF Institute of Technology, 1997, Computer Engineer.

#### Professional Experience:

Lead Info Systems Engineer, The MITRE Corp, Colorado Springs, CO, 2006 – 2009;  
Professor of Computer Science, USAF Academy, Dept. of Computer Science, Colorado Springs, CO, 2001 – 2006;  
Director Communications and Information, HQ 7th AF, Osan, Korea, 2000 – 2001.

#### Professional Interest:

Unmanned Systems; Systems Engineering; Formal Methods; Software Engineering;  
Computer Engineering.

#### ACM Activities:

Vice Chair, SIGAda, 2005 – 2009;  
Conference Co-Chair, SIGAda Annual Conference, 2006;  
Conference Program Chair, SIGAda Annual Conference, 2003 – 2006.

### **STATEMENT**

My vision for the future of SIGAda is a small, but strong organization serving the needs of the Ada community. We will continue to hold the annual conference publishing Ada-related research and make every effort to hold financially successful conferences. We will continue to grow the relationship between SIGAda and Ada Europe by promoting and participating in their annual conference. We will continue to maintain and grow the SIGAda membership and fill their needs. It is important to promote the safety critical, high reliability aspects of Ada, because that is where Ada has found its niche. We will work to publicize our annual conference to those working in this area, such as the formal methods group at the NSA. My experience as Vice Chair for the past four years has helped me establish connections with our Ada Europe colleagues and with the Ada community here in the US. My experiences as conference Program Chair and Conference Co-chair will help me to oversee successful conferences. All of these experiences will help me as Chair to meet the goals of SIGAda. Thank you for your consideration.

## Candidate for Vice Chair for Meetings and Conferences

Jeff Boleng  
US Air Force Academy, Colorado Springs, CO USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Colorado School of Mines, 2002, Mathematical and Computer Sciences.

#### Professional Experience:

Associate Professor of Computer Science, US Air Force Academy, Colorado Springs, CO, 2006 – 2009;

Chief, Netcentric Integration, Air Force Space Command, Colorado Springs, CO, 2005 – 2006;

Commander, 21st Mission Support Squadron, 21st Space Wing, Colorado Springs, CO, 2005.

#### Professional Interest:

Mobile Ad Hoc Networks (MANET); Cyber warfare, computer security, and information assurance; Sensor Networks; High reliability computing and systems; Computational Modeling of Radar Scattering.

#### ACM Activities:

SIGAda Conference Program Chair, SIGAda, 2009.

#### Membership and Offices in Related Organizations:

Co-chair, Workshop on Network Security, IEEE WNS/LCN, 2007 – 2009;

Technical Program Committee Member, IEEE LCN (Local Computer Networking), 2007 – 2009.

#### Awards Received:

Outstanding Academy Educator (USAFA), 2008; AF Space Command (AFSPC) A4/A6 Field Grade Officer of the Year, 2005; AFSPC LtGen Leo Marquez Comm Electronics FGO of the Year, 2004; CFC/US Forces Korea CJ-3 FGO of the Year, 2003.

### **STATEMENT**

Secure, high reliability/availability systems are critical to the world's information and automation infrastructures. System complexity continues to increase exponentially. Cyber crime and cyber warfare incidents are increasing even more rapidly. When combined, these trends create the potential for significant vulnerabilities and failures in our critical

infrastructures and technologies. Ada is one of the key technologies which allow us to deal with increasing complexity and system vulnerability.

We must increase our efforts to attract emerging talent and expose them to the strengths and benefits good design and language features can provide to address the challenges highlighted above. We must go beyond annual conference and provide more opportunities for developing students and professionals to learn and use the Ada programming language. Some of the ways we can approach this is by targeting high school programming and Advanced Placement (AP) curriculum as well as continuing to encourage industry and professional support of Ada use in colleges. The ACM International Collegiate Programming Contest can be a useful conduit to highlight the capabilities and benefits of Ada through a specialized team award and recognition.

## Candidate for Vice Chair for Meetings and Conferences

Alok Srivastava  
Northrop Grumman Corp., Washington, DC USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Agra University, 1980, Physics.

#### Professional Experience:

Chief Software Engineer, Northrop Grumman Corp., Washington DC, 1994 – 2009;  
Computer Scientist, Computer Sciences Corp. (CSC), Rockville, MD, 1990 – 1994;  
Lead Systems Engineer, L-3 Communications, Reston, VA, 1986 – 1990.

#### Professional Interest:

Command & Control Systems; High Integrity Software; Software Quality & Acquisition;  
Nuclear and Renewable Energy Systems.

#### ACM Activities:

Conference Chair, SIGAda, 2007;  
Managing Editor, ACM Ada Letters, 2005 – 2009;  
Executive Member, SIGAda, 2005 – 2009;  
Workshops Chair (Multiple Years), SIGAda, 1998 – 2006.

#### Membership and Offices in Related Organizations:

Exhibits Chair, SIGAda 2009 Conference, 2009.

#### Awards Received:

ACM: ACM SIGAda 2007 Conference Chair Award, 2007.  
Other: US Department of Transportation Secretary's Award, 2001; Computer Sciences Corporation (CSC) President's Award, 1994.

### **STATEMENT**

For the last 23 years I have been working on the development and acquisitions of large Ada based government projects on avionics systems with enduring prospects for Ada. I am associated with these advanced civilian systems which were developed on time within budget and are the core of air traffic control systems, ensuring daily safe and efficient air transportation. As Technical Advisor to the Federal Aviation Administration, each year I certify to the US Congress and Inspector General to persist Ada use. I have worked at Ada Booths, Ada Europe Leaders, represented SIGAda at WG9 meetings and have participated in all recent Ada Europe Conferences. My experience as Conference, Workshops and

Exhibits Chair(s) of SIGAda conferences provides insights into the complexities facing our conferences while my job as Managing Editor of ACM Ada Letters reveals to me R&D obstacles. I am honored to be running for Vice Chair because I believe I have enthusiasm, comprehension, organizing skills, leeway with Ada vendors/contractors and experience. It will give me wider opportunity to continue to work with the broad Ada community and achieve SIGAda's mission to new emerging global markets. If elected, I will further develop the collaborative and growth spirit that illustrate SIGAda.

## Candidate for Vice Chair for Liaison

Greg Gicca  
AdaCore, Tarpon Springs, FL USA

### **BIOGRAPHY**

#### Academic Background:

B.S.E.E. (1-2 courses short of second degree in Computer Engineering), 1984, Southeastern Massachusetts University.

#### Professional Experience:

AdaCore – safety and security product marketing - Present;  
Aonix/Alslys/TeleSoft - marketing, technical pre-sales and engineering roles, 1990-2005;  
GTE/Lockheed Sanders, software engineer on SDME project and member of the internal Ada technology consulting group, 1984-1990.

#### Professional Interest:

Ada Software Development Environments (APSE, SDME); Human Factors as it relates to GUI's; How best to promote the Ada language in general.

#### ACM Activities:

SIGAda member since 1988;  
SIGAda Exhibits Chair 2003 and 2004, Co-Chair 2008;  
SIGAda Conference Co-Chair 2006;  
SIGAda Conference Chair 2009.

#### Awards Received:

Commendation from the Ada Joint Program Office Director, 1986;  
Recognition for contribution to the DoD Evaluation and Validation Team, 1987;  
Recognition for contribution to the DoD E&V Team APSE Project, 1990;  
Sales related Aonix outstanding achievements awards, 1990 - 1999;  
SIGAda Distinguished Service Award, 2008.

### **STATEMENT**

I have been involved with SIGAda at many levels and this experience should help me better contribute to this position. My objective for this role would of course be the standard requirements of the position. However, I would emphasize the Ada Awareness program in particular for both the Ada language and the SIGAda group. I have worked as a software engineer, representative on government committees and in product marketing, all for the Ada language, starting with my first professional job onward. I would bring my experience in marketing in particular to the role to work on the language's promotion. This would

include re-evaluating those trade shows that SIGAda attends and their benefits along with evaluating new possible trade shows that might be beneficial to our promotion. I will work with the Ada Resource Association as a partner organization to help in this task as well as to potentially produce new updated marketing material for SIGAda and its booth. The safety and security markets are current and expanding markets where Ada is relevant. I feel the generation of new material in this area can help to better promote the Ada language as current and vital for today's software development.

## Candidate for Vice Chair for Liaison

William Oliver Glascoe III  
Computer Sciences Corporation, Falls Church, VA USA

### **BIOGRAPHY**

#### Academic Background:

Masters of Science, University of Colorado, 2001, Telecommunications.

#### Professional Experience:

Project Manager, Computer Sciences Corporation, Falls Church, VA, 2008 – 2009;

Space Engineering Manager, USAF Reserves / National Security Space Office, AF Pentagon, 2005 – 2009;

Software Risk Manager, Computer Sciences Corporation, College Park, MD, 2007 – 2008.

#### Professional Interest:

Space Traffic Management and Control software technologies; Real-time 3D graphics, acoustics and haptics via the WWW; Enterprise data & software integration; Native XML databases; Ada.

#### ACM Activities:

VP Liaison, SIGAda, 2007 – 2009.

#### Membership and Offices in Related Organizations:

Vice Chair, 3D CAD Working Group, Web 3D Consortium, 2007 – 2009.

### **STATEMENT**

As VC Liaison I will liaise with former, extant and potential Ada community members either virtually or in person on a regular basis. I will participate in the Washington DC Ada-related events to the greatest extent possible. I'm a family man with an infant son and plans for a daughter soon. The message I will take to those who listen will be one of Ada's relevance to developing manageable solutions for governments and corporations' most difficult software challenges and/or problems.

Candidate for Secretary

Ronald J. Price

No biographical information or statement of objectives submitted.

## Candidate for Secretary

Clyde Roby Jr.  
Institute for Defense Analyses, Alexandria, VA USA

### **BIOGRAPHY**

#### Academic Background:

Master of Science, Georgia Institute of Technology, 1979, Information and Computer Science.

#### Professional Experience:

Research Staff Member, Institute for Defense Analyses, Alexandria, VA, 1985 – 2009;  
Project Leader, Control Data Corporation, Atlanta, GA, 1981 – 1984;  
Research Scientist, Georgia Institute of Technology, Atlanta, GA, 1979 – 1981.

#### Professional Interest:

Software Engineering; Programming Languages; Programming Development Environments; Use of Internet for Development; User Interface.

#### ACM Activities:

Secretary, SIGAda, 2001 – 2009;  
Proceedings Editor, SIGAda 2000-2009 Conferences, 2000 – 2009;  
Secretary/Webmaster, SIGAda ASIS Working Group (ASISWG), 1990 – 2005;  
Secretary/Webmaster, SIGAda Ada Bindings Working Group (ABWG), 1999 – 2003.

#### Membership and Offices in Related Organizations:

Member, IEEE, 1991 – 2009; Recorder, ISO/IEC JTC1/SC22/WG9 (Ada) - USA meetings, 1998 – 2009.

#### Awards Received:

SIGAda Distinguished Service Award, 2002.

### **STATEMENT**

As a candidate for SIGAda Secretary, I welcome the continued opportunity to serve a healthy and vibrant organization. SIGAda stands for technical excellence, particularly software engineering, and especially in the use of the Ada programming language as THE programming language for software engineering.

There are several challenges in the future: technical, social, and economic. We need to go through this period of change as well informed as possible. As ISO goes through another standard revision of the Ada language, SIGAda must help disseminate information about this new revision, its ancillary standards (such as the Ada Semantic Interface Specification

- ASIS), and the process. It is incumbent upon SIGAda to identify the next generation of Ada users and to support them in their professions. It will also be a time to reexamine SIGAda's economic condition and reevaluate how we can improve it.

As Secretary, I will continue to advocate increased use of the Internet to bring SIGAda members closer together, especially as "owner" of the SIGAda website and maintainer of the SIGAda email discussion lists.

SIGAda has a bright future. With the continued support of all members, we can make it serve our community even better.

## Candidate for Treasurer

Jared S. Cagley  
Rockwell Collins, Cedar Rapids, IA USA

### **BIOGRAPHY**

#### Academic Background:

B.S., University of Northern Iowa, 2006, Computer Science

#### Professional Experience:

Software Engineer, Rockwell Collins, Cedar Rapids IA, 2006 – 2009;  
Student Software Engineer, John Deere, Cedar Falls, IA, 2004 – 2006.

#### Professional Interest:

Programming Languages and Patterns; High Integrity Software (SPARK), Testing, and Certification; Compilers and Processors - Build Processes and Boot Software; ASIC Embedment; Program Management.

#### Awards Received:

Upsilon Pi Epsilon, 2006.

### **STATEMENT**

I am running for Treasurer to become actively involved in SIGAda. I am interested in learning the role the Treasurer plays in budget planning and decision making in an organization of this size.

Vote for me.

## Candidate for Treasurer

Geoff Smith  
Lightfleet Corporation, Camas, WA USA

### **BIOGRAPHY**

#### Academic Background:

MBA, Golden Gate University, 1996, Management.

#### Professional Experience:

Director of Software Engineering, Lightfleet Corporation, Camas, WA, 2006 – 2009;  
Manager of Compiler Development, IBM Corporation, Beaverton, OR, 2004 – 2006;  
Manager of Compiler Development, Rational Software Corporation, Aloha, OR,  
1996 – 2004.

#### ACM Activities:

Local Arrangements, SIGAda 2008 Conference, 2008.

### **STATEMENT**

Ada has been very good to me in my career and I welcome this opportunity to give something back in at least a modest way.

I have served as treasurer in several small membership organizations, and I have managed multi-million dollar budgets in my working life. I do not offer any revolutionary changes, as I believe that the organization's finances have been handled well in recent years. Nonetheless, I am ready and willing to handle a growing budget when the faddish minor languages fade away.

On the other hand, I do feel that we need fresh blood in the organization. SIGAda is increasingly dominated by graybeards. So you should give serious consideration to my opponent, a recent graduate who comes well-recommended and, better yet, a day-to-day practitioner of the language. If elected, I will be happy to serve, and if not, I promise to help our new treasurer in any way that I can.

## Candidate for International Representative

Dirk Craeynest  
Eurocontrol/Central Flow Management Unit, Brussels, Belgium

### **BIOGRAPHY**

#### Academic Background:

Licentiaat Informatica, Katholieke Universiteit Leuven (K.U.Leuven), 1982, Construction of an ELL(1) Syntax Analyser for Ada with the Compiler-Generator LILA.

#### Professional Experience:

Senior IT Consultant, Eurocontrol / Central Flow Management Unit, Brussels, Belgium, 1995 – 2009;  
Senior IT Consultant, Belgocontrol / CANAC, Steenokkerzeel, Belgium, 2003 – 2006;  
Research Scientist, K.U.Leuven / Dept. of Computer Science, Leuven, Belgium, 1983 – 1994.

#### Professional Interest:

Ada Language & Technology; Programming Languages & Software Quality; Software Engineering; Portability & Migration of Ada Systems; Air Traffic Flow Management & Air Traffic Control.

#### ACM Activities:

Executive Committee member (international representative), SIGAda, 2005 – 2009;  
Extended Executive Committee member (informal), SIGAda, 1994 – 2005;  
Program Committee member, SIGAda 2001 Conference, 2000 – 2001;  
Program Committee member, Washington Ada Symposium '96, 1995 – 1996.

#### Membership and Offices in Related Organizations:

Head of Belgian Delegation, ISO/IEC JTC1/SC22/WG9 (ISO working group for Ada), 2004 – 2009;  
Vice-President, Ada-Europe (international non-profit organization), 1996 – 2009;  
Co-founder, Board Member, President, Ada-Belgium (non-profit organization), 1991 – 2009.

#### Awards Received:

ACM: SIGAda Award for Outstanding Ada Community Contributions, 1999.  
Other: Best Paper Award at the Ada-Europe 2002 conference, 2002.

## **STATEMENT**

The Ada language incorporates invaluable knowledge and experience gained over several decades, and is the result of a continuously ongoing international effort. The language has matured over the years to an unprecedented level, and obtained an impressive track record of successful projects worldwide. Still, the most important remaining thing to do is to increase public awareness of the qualities of Ada and related technology: this too requires international cooperation.

I have been studying, teaching, implementing, using, and advocating Ada for many years, as well as being involved with running national and international Ada organizations, producing national and international Ada related publications, and organizing national seminars and international conferences. From the start, I have been looking for international cooperation, e.g. working with SIGAda to distribute Ada material in Europe, inviting international Ada personalities to Belgian events and encouraging people to submit Ada related papers.

If re-elected as international representative, I'd like to continue using my experience and contacts to increase the international nature of SIGAda in order to further improve, both in the US and worldwide, the visibility of Ada and its qualities and achievements. SIGAda, together with other similar organizations, industry and academia, should make a difference!

## Candidate for International Representative

Frank Singhoff  
University of Brest, Brest, France

### **BIOGRAPHY**

#### Academic Background:

Habilitation, University of Brest, 2009, Real time scheduling analysis.

#### Professional Experience:

Associate Professor, University of Brest, Brest, France, 2000 – 2009;  
Ph.D. student, ENST-Paris, Paris, France, 1996 – 1999;  
Engineering Student, CNAM, Paris, France, 1992 – 1996.

#### Professional Interest:

Ada; Real time systems and architecture; Real time scheduling; Modelling and verification, simulation; Queueing systems.

#### Membership and Offices in Related Organizations:

Member of AS-2C committee (AADL working group), SAE, 2008 – 2009;  
Treasurer, Ada-France, 2007 – 2009.

### **STATEMENT**

Since 2000, I have been an associate professor at University of Brest (France). I give lectures on distributed and real-time systems to Master students, and of course, I frequently emphasize Ada to my students. Ada is also in the scope of my research activities and for several years, I have regularly presented publications or tutorials at Ada conferences such as SIGAda or Ada-Europe.

These conferences allowed me to go ahead in my research and teaching activities. That's why I have accepted to be treasurer of the Ada-France organization: to help the Ada community from which I learnt so much. This is also why today, I run for the SIGAda international representative office. I was involved in different conferences and some of them are related to Ada (e.g. next Ada Europe conference). Thus, I have connections to different academic organizations and I think that it can serve both the US and European Ada communities to increase Ada visibility.