SIGAda

The ACM Special Interest Group on Ada

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2004 SIGAda Awards – Awarded at SIGAda 2004, in Atlanta, Georgia on 16 November 2004

Dear SIGAda Members:

In 1994, ACM SIGAda established an award program to recognize individuals and organizations that have made outstanding contributions to the Ada community and to SIGAda. The two categories of awards are:

1. **Outstanding Ada Community Contribution Award –** *For broad, lasting contributions to Ada technology & usage.*
2. **ACM SIGAda Distinguished Service Award -** *For exceptional contributions to SIGAda activities & products*

SIGAda awards, in the form of the statuette of Lady Lovelace, pictured on the right, are typically presented at the SIGAda conference each fall, with nominations closing shortly before the conference. SIGAda has established a process where nominees are solicited from the international community. An Award Committee processes the nominations and presents the names of the nominees along with the nominating statement to the previous recipients of the award. The previous recipients of the award can vote for those nominees who are most deserving of the award. The awards for 2004 were presented at the SIGAda 2004 Conference on 16 November 2004 in Atlanta, Georgia.

SIGAda Chair, Currie Colket, presenting the Outstanding Ada Community Contribution Award
for 2004 to Members of the SPARK Team, Rod Chapman, Brian Dobbing, and John Barnes

The **Outstanding Ada Community Contribution Award for 2004** is awarded to **The SPARK Team.** The Citation for the SPARK Team reads:

• SPARK was developed at the University of Southampton in the 1980s, then by Program Validation Limited (PVL) which eventually became part of Praxis High Integrity Systems in 1995. The initial vision was almost absurdly bold – to develop a formally defined subset of Ada with a sound, complete verification environment that was usable on industrial-scale projects. The SPARK Team rose to this challenge and their vision is still alive and well. In recent years, the SPARK Team has expanded the SPARK language and technology with SPARK95 and RavenSPARK. No other language (or subset thereof) has approached the level of rigor and depth of verification that can be achieved with SPARK, so it remains a jewel in Ada's crown.

• More recently, renewed concern over software safety and security has brought SPARK to a wider audience, bringing with it renewed interest in Ada. The academic community has also embraced SPARK in research and in teaching high-integrity software engineering. The SPARK team is noted for publishing world-class results on software engineering, and is well-known for the

      frequency and impact of their contributions, publications and presentations at conferences such as SIGAda, Ada Europe, SSTC and NSA HCSS.

- SPARK and Ada share a symbiotic relationship. SPARK could not exist without the firm foundation of Ada, while the success of SPARK supports the continued use and longevity of Ada.

- The SPARK Team has served the Ada community as a leader in high integrity systems using Ada and is very deserving of the Outstanding Ada Community Contribution Award. The SPARK Team includes individuals from many organizations over a span of nearly twenty years. The individual contributors are too numerous to mention and to single out any one would seem unfair, so this award is for the entire SPARK development team.

The SPARK Team joins a very distinguished list of past award recipients that includes Christine Anderson, Ted Baker, John Barnes, Kenneth L. Bowles, Randy Brukardt, Alan Burns, Martin Carlisle, Richard Conn, Dirk Craeynest, Robert Dewar, Robert Duff, David Emery, John Goodenough, Michael González Harbour, Hal Hart, Audrey Hook, Jean Ichbiah, Magnus Kempe, Bob Mathis, Charles McKay, Jim Moore, Emmett Paige, Jr., Erhard Ploedereder, Richard Riehle, Edmond Shonberg, Alfred Strohmeier, Tucker Taft, Joyce Tokar, Andy Wellings, and William Whitaker

The recipient for the **ACM SIGAda Distinguished Service Award for 2004** is **Dr. Martin C. Carlisle** from the United States. The Citation for Dr. Martin C. Carlisle reads:

- Dr. Martin C. Carlisle has served SIGAda as the Managing Editor of Ada Letters, SIGAda's quarterly newsletter from 1999 to 2004. Through his efforts, he has made Ada Letters a high quality publication and one that is of true value to the Ada Community. He implemented a policy that facilitates public awareness and public sharing of the contents of Ada Letters by making available all but the most recent issues freely available on line through the SIGAda Home Page. ACM is keenly concerned about the newsletters of Special Interests Groups (SIGs) being distributed on time. Failure to do so has serious repercussions with ACM. Dr. Carlisle has consistently submitted the newsletter to ACM on time doing his part to keep SIGAda viable. He has captured important papers, proceedings of the SIGAda Conferences and many of the International Working Groups.
- Dr. Carlisle has served SIGAda in a number of other important ways. One worth mentioning is his work with A#, a port of Ada 95 to the Microsoft .NET environment. He was instrumental in making this port not only viable, but also a useful teaching tool at the Air Force Academy. For the last couple of SIGAda conferences, he has volunteered to lead a tutorial describing how to program PDAs and .NET devices using Ada.
- Dr. Carlisle has served the SIGAda community as a leader and SIGAda volunteer and consequently is very deserving of the ACM SIGAda Distinguished Service Award.

Dr. Martin C. Carlisle joins a very distinguished list of past award recipients that includes Brad Balfour, Benjamin Brosgol, Ed Colbert, Norman Cohen, Currie Colket, David Cook, Leslie Dupaix , Chuck Engle, Mike Feldman, Gerry Fisher, Anthony Gargaro, Mark Gerhardt, Hal Hart, David Harrison, Mike Kamrad, John McCormick, S. Ron Oliver, Thomas Panfil, Charlene Roberts-Hayden, Clyde Roby, Jean Sammet, SIGAda's Numerics Working Group (NUMWG), and SIGAda's Ada Semantic Interface Specification (ASIS) Working Group (ASISWG).

SIGAda Chair, Currie Colket, presenting the ACM SIGAda Distinguished
Service Award for 2004 to Martin C. Carlisle

It should be noted that Dr. Martin C. Carlisle is only the second person in our history to be the recipient of both awards. This is a very special achievement. The only other person to have received both awards is Mr. Hal Hart. Perhaps this means that Dr. Carlisle is an obvious choice for next year's SIGAda Award Committee?

     I would like to provide my special thanks to The SPARK Team and Dr. Martin C. Carlisle for their many contributions to the Ada community. I would also like to thank the members of the SIGAda Award Committee, who made this possible: Mr. Hal Hart, Mr. Ed Colbert, Dr. Benjamin Brosgol, and Mr. Clyde Roby.

Sincerely yours,

William Currie Colket

Currie Colket
Chair ACM SIGAda

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