

SIGADA

The ACM Special Interest Group on Ada

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2007 SIGAda Awards — Awarded at SIGAda 2007 in Fairfax, Virginia on November 7

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:

Outstanding Ada Community Contribution Award

For broad lasting contributions to Ada technology and usage

ACM SIGAda Distinguished Service Award

For exceptional contributions to SIGAda activities and products

SIGAda awards, in the form of the statuette of Lady Lovelace, pictured on the right, are typically presented at the SIGAda conference each year, 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 statements 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 2007 were presented at the SIGAda 2007 Conference on November 7th in Fairfax, Virginia.



The **Outstanding Ada Community Contribution Award** is awarded to **Karl Nyberg, Jean-Pierre Rosen and The GNAT Team.**

The Citation for **Karl Nyberg** reads:

- Karl Nyberg is perhaps best known for the Annotated Ada Reference Manual, a best seller that raised the bar for the Ada community, and programming languages in general, by including the Ada commentaries in-line with the ISO standard reference manual.
- Most recently, Karl provided substantial exposure of Ada to the larger community, when his application, written in Ada, was selected by Sun Microsystems for the award of a \$15k 8-core computer. In doing so, Karl demonstrated how effective Ada can be in developing concurrent applications. Pioneer Ada champion/advocate at mainstream (non-Ada) conferences
- He was a member of the Federal Advisory Board on Ada and contributed to parts of the Ada95 preparatory work
- Karl also contributed to IEEE 1003.5 (POSIX Ada Binding)
 - Received the IEEE Pioneering award for this work
- He published other Ada reference materials including a monthly newsletter and industry guide
 - Ada Sources and Resources
 - Lest we forget, there was once a commercial magazine (Journal of Pascal, Ada, and Modula II) where Karl was a columnist.
- Karl ran the early Info-Ada distribution list.
- He has been involved in local DC SIGAda activities, with probably 20 years of presentations!

The Citation for **Jean-Pierre Rosen** reads:

- Jean-Pierre Rosen has been involved with many aspects of Ada for a very long time. He now specializes in high level training, expertise and consulting in the domains of the Ada language, design methods, and software engineering in general.
- Jean-Pierre is an expert in the Ada language and in object oriented techniques. His wrote the books
 - Méthodes de Génie Logiciel avec Ada 95 (Software Engineering Methods with Ada 95).
 - HOOD: an Industrial Approach for Software Design, the official book for the HOOD method.
- He is very active in promoting Ada in the open source community, among others, by providing many freely available Ada components, not in the least the ASIS-based AdaControl tool.

- He was actively involved in the definition effort of Ada 95, by participating into international standardization meetings, the development of the GNAT compiler, and the reviewing of the validation suite. As the head of delegation for France he is still actively involved in the Ada standardization work of ISO's WG9.
- Jean-Pierre has a long track record in the Ada community and in Ada promotion
 - officer in various organizations such as Ada-France, Ada-Europe, and ACM SIGAda
 - as organizer, program chair, or program committee member of various Ada related events, such as the Ada-Europe and SIGAda conferences
 - delivering many paper and tutorial presentations; by responding to questions in Ada-related newsgroups such as `comp.lang.ada` and `fr.comp.lang.ada`

The Citation for **The GNAT Team** reads:

- It is difficult to imagine a single team or organization that has done more to sustain and develop the use of Ada in the last 12 years than the GNAT team. Starting at NYU under the auspices of the Ada9X project, the GNAT Team were tasked with producing a partial implementation for use in training and familiarization, with no licensing fee. It did that, then went on to surprise the Ada Joint Project Office by completing the compiler and setting up its novel business, Ada Core Technologies.
- Later, within AdaCore Technologies (now AdaCore), the team went much further, providing professional-grade supported products and showing that open-source offered a novel and profitable business model for a software tools company.
- The open and wide availability of the public versions of GNAT have helped to sustain Ada as a viable software development technology in the wider software community.
 - Most major Linux distributions now ship with GNAT in some form or other, and GNAT is a fully-fledged first-class member of the GCC family of compilers.
- The GNAT team are renowned in the Ada community for the pace and agility of their efforts - the number of firsts achieved by the team is almost too long to enumerate, but includes
 - the first all-annexes implementation of Ada95
 - the first complete implementation of Ada2005.
- The GNAT team's efforts have also seen a renaissance of Ada in university teaching of real-time, embedded and high-integrity software engineering through the GAP program.
- It's difficult to imagine the world of Ada without GNAT.

Karl, Jean-Pierre, and The GNAT Team join a very distinguished list of past award recipients that includes Christine Anderson, Ted Baker, John Barnes, Grady Booch, Kenneth L. Bowles, Ben Brosgol, Randy Brukardt, Alan Burns, Martin Carlisle, Richard Conn, Dirk Craeynest, Robert Dewar, Robert Duff, David Emery, John Goodenough, Michael González Harbour, Hal Hart, Matthew Heaney, Audrey Hook, Jean Ichbiah, Magnus Kempe, Pascal Leroy, Bob Mathis, Charles McKay, Jim Moore, Emmett Paige, Jr., Erhard Ploedereder, Richard Riehle, Edmond

Schonberg, SPARK Team, Alfred Strohmeier, Tucker Taft, Joyce Tokar, Andy Wellings, and William Whitaker



Karl Nyberg (left) receiving his award



John McCormick and the GNAT Team Representatives
(Robert Dewar, Ben Brosgol, and Dan Fisher)

I would like to add my own thanks to Karl, Jean-Pierre, and The GNAT Team for their many contributions to SIGAda and the Ada community. I would also like to thank the members of the SIGAda Award Committee who made these presentations possible: Hal Hart, Ed Colbert, and Clyde Roby.

John W. McCormick
Chair, ACM SIGAda