



## FOR IMMEDIATE RELEASE

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### ACM SIGAda ANNOUNCES 2019 AWARD RECIPIENTS

*Outstanding Technical Contributions and Distinguished Service Recognized*

**NEW YORK, NY, December 13, 2019** - ACM's Special Interest Group on Ada (SIGAda) today announced the recipients of the Robert Dewar Award for Outstanding Ada Community Contributions and the ACM SIGAda Distinguished Service Award.

#### **2019 ACM SIGAda Robert Dewar Award for Outstanding Ada Community Contributions**

##### **SPARK 2014 Team:**

The SPARK 2014 team at AdaCore and Altran (formerly Praxis HIS) built a completely new version of the SPARK program verification toolset on the shoulders of the original SPARK language and toolset, the GNAT Ada front end, the Ada 2012 language design, and the latest verification technology represented by the Intermediate Verification Language Why3 and advanced SMT (Satisfiability Modulo Theories) Solvers.

This advanced product represents the state of the art in program verification, and has single-handedly built interest in Ada-based technology in a new generation of organizations that are working to build high-security applications. SPARK 2014's verification capabilities has kindled interest within Ada's conventional strongholds such as aerospace and defense, but also within new areas, among developers of critical systems such as security kernels, autonomous vehicles, medical devices, robots that collaborate closely with humans, etc. Adopters of SPARK 2014 tend to become adopters of Ada more widely, as the advantages of language-based safety and security become more apparent to the organizations that were initially focused only on their most safety- or security-critical applications. This is of huge benefit to the Ada community as a whole.

##### Team Members Include:

AdaCore: Steve Baird, Arnaud Charlet, Claire Dross, Jerome Guitton, Johannes Kanig, and Yannick Moy  
Altran: Pavlos Efstathopoulos, Andrew Hawthorn, Trevor Jennings, Stuart Matthews, Florian Schanda, Angela Wallenburg, and Rod Chapman

## **2019 ACM SIGAda Distinguished Service Award**

### **Dr. Albert Timothy “Tim” Chamillard**

Dr. Tim Chamillard, an Associate Professor at the University of Colorado, Colorado Springs, has been an important voice in the academic Ada community. Tim was instrumental in the use of Ada 95 while on the faculty of the US Air Force Academy. Tim is a longtime Ada supporter and SIGAda member and has contributed many significant papers relevant to the Ada Community in Ada Letters. His textbook, *Introductory Problem Solving Using Ada 95*, published by McGraw-Hill, was particularly noteworthy.

### **About the Robert Dewar Award for Outstanding Ada Community Contributions**

Formerly known as SIGAda’s Ada Community Contributions Award, the Award is named in honor of the late Robert Dewar. A Professor of Computer Science at New York University, Dewar was one of the architects of the Ada/Ed compiler, which served as an operational definition of the Ada 83 language, and he later led the team that designed and implemented the GNAT compiler technology for Ada 95. Together with several colleagues from NYU, Dewar founded AdaCore (then Ada Core Technologies) to productize GNAT for commercial users of Ada 95 and also to make GNAT binaries available free of charge to academic institutions and others developing non-proprietary software. Other past recipients of this award include Jean Ichbiah, the head of the design team for the original Ada language; and Tucker Taft, the head of the Ada 95 revision team.

### **About the ACM SIGAda Distinguished Service Award**

ACM SIGAda Distinguished Service Award recognizes individuals for exceptional contributions to SIGAda activities & products. Past recipients of the Distinguished Service Award have included John A. Hamilton Jr., who served as the Chair of the Ada Software Engineering Education Team (ASEET), and James C. “J.C.” Morrison, who founded and led the company, Ada Solutions.

### **About ACM SIGAda**

ACM SIGAda is a professional society focused on the Ada language and its many aspects including standardization, development environments, usage/experience, implementation, and education. SIGAda holds a biennial conference or workshop on High Integrity Language Technology and publishes Ada Letters, twice a year.

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