

# SIGAda Awards



2012



# ACM SIGAda Distinguished Service Award

## 30 Previous Recipients

Brad Balfour	Hal Hart
Michael Berman	Mike Kamrad
Eugene Bingue	Rush Kester
Benjamin Brosgol	John McCormick
Martin Carlisle	S. Ron Oliver
Norman Cohen	Thomas Panfil
Ed Colbert	Charlene
Currie Colket	Roberts-Hayden
David Cook	Clyde Roby
Leslie Dupaix	Jean Sammet
Chuck Engle	Alok Srivastava
Mike Feldman	Rick Sward
Gerry Fisher	SIGAda's
Anthony Gargaro	Numerics
Mark Gerhardt	Working Group
Greg Gicca	ASIS Working
David Harrison	Group



For exceptional contributions to  
SIGAda activities & products

## **Manager and Entrepreneur**

- Worked with Ada in early 1990s in Control Data Corporation's Federal Division
- Then as a trainer at his consulting company, Ada Solutions

## **An Active Individual**

- Actively involved in both the Baltimore and DC Chapters of SIGAda
- Conference Committee / Local Arrangements for SIGAda 2000 in Baltimore
- Staffed the SIGAda Booth at trade shows at the Washington DC Convention Center in late 1990s to about 2002

## **An Active Individual**

- Attended every SIGAda conference from 1998-2010
- Served as volunteer, handling registration desk duties and other behind-the-scenes work
- Although quiet, always willing to help in any way possible, often jointly with his wife Anne

## **An Active Individual**

- Quietly performs essential functions – the “oil that keeps the wheels turning”
- His tireless devotion helped make SIGAda’s conferences over the years a success
- He passed away on 29 November 2011 and SIGAda lost a loyal and valued friend, contributing to the organization that he loved for almost 20 years



# James C. “JC” Morrison

Leader of his own company, Ada Solutions; Registration Desk Volunteer; former officer of Baltimore SIGAda (Vice-Chair 1999-2000) and Secretary (2004-2011); quietly performing his “Ice Man” duties



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31 Recipients

Brad Balfour	Hal Hart
Michael Berman	Mike Kamrad
Eugene Bingue	Rush Kester
Benjamin Brosgol	John McCormick
Martin Carlisle	<b>James C Morrison</b>
Norman Cohen	S. Ron Oliver
Ed Colbert	Thomas Panfil
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# Outstanding Ada Community Contribution Award

## 44 Previous Recipients

Peter Amey	Magnus Kempe
Christine Anderson	Pascal Leroy
Ted Baker	Bob Mathis
John Barnes	Charles McKay
Grady Booch	Jim Moore
Kenneth L. Bowles	John McCormick
Ben Brosgol	Stephen Michell
Randy Brukardt	Karl Nyberg
Alan Burns	Pascal Obry
Martin Carlisle	Emmett Paige, Jr.
Richard Conn	Erhard Ploedereder
Dirk Craeynest	Richard Riehle
Robert Dewar	Jean-Pierre Rosen
Robert Duff	Edmond Schonberg
David Emery	Frank Slnghoff
John Goodenough	Alfred Strohmeier
Hal Hart	Tucker Taft
Matthew Heaney	Joyce Tokar
Audrey Hook	Tullio Vardanega
Michael González	Andy Wellings
Harbour	William Whitaker
Jean Ichbiah	GNAT Team
	SPARK Team



For broad, lasting contributions  
to Ada technology & usage

# **An Active Individual**

- An internationally recognized Ada expert with a long history of contributions to the Ada language and its infrastructure, in particular in the area of real-time embedded systems
- A founding member of the Ada Run-Time Environment Working Group (ARTEWG)
- Over the past 25 years has taught university and professional courses on Embedded/Real-Time Systems with Ada, Software Fault Tolerance, Hard Real-Time Schedulability Analysis, and Object-Oriented Programming with Ada

# A Familiar Tutorial Contributor

- SIGAda 1999 “Real-Time Programming”
- SIGAda 2002 “Real-Time Programming”
- Ada Europe 2005 “Software Fault Tolerance”
- Ada Europe 2009 “Real-Time Programming” and “Software Fault Tolerance”
- SIGAda 2009 “Real-Time Programming”
- Ada Europe 2011 “Real-Time Programming”

# Well Regarded Work

- Programming Real-time with Ada 2005, Embedded Systems Design (magazine)
- The Application of Compile-Time Reflection to Software Fault Tolerance using Ada 95
- OpenAda : Compile-Time Reflection for Ada 95
- Software Fault Tolerance, Reflection, and the Ada Programming Language
- State Restoration in Ada 95: A Portable Approach to Supporting Software Fault Tolerance
- An incremental recovery cache supporting software fault tolerance mechanisms



## Active with NASA

- Played a key role in promoting Ada at NASA
- Served as Associate Director for Research at NASA's Software Engineering Research Center where he was responsible for support of all NASA centers and contractors in the areas of Ada run-time systems and technology, host/target environment issues for real-time, space-based applications, and software engineering.
- He led research in distributed systems and in the development of parallel applications research for NASA applications and served as liaison with European partners in real-time schedulability analysis research.

# Pat Rogers

A member of the senior technical staff at AdaCore where he delivers professional courses and is the principal developer of the GNATbench editor/toolset integrated with Eclipse and Wind River Systems' Workbench for VxWorks



# Outstanding Ada Community Contribution Award

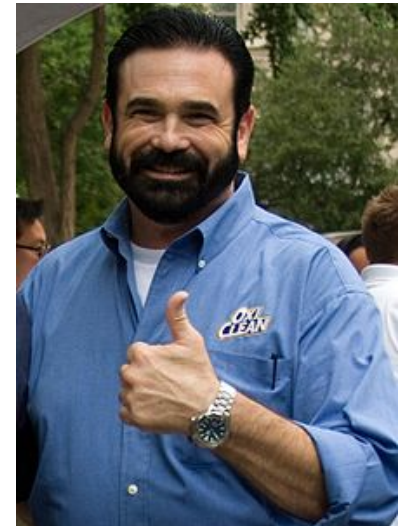
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*But Wait...*  
**THERE'S  
MORE!**



Billy Mays  
1958 - 2009



## **Another Active Individual**

- He has been and continues to be a technically active member of the real-time Ada community with special interest in distributed and parallel computing.
- He actively participates in multiple European projects, and presents and publishes about his research work in various international conferences and journals.

# Well Regarded Work (2011)

- sMapReduce: A Programming Pattern for Wireless Sensor Networks
- Software transactional memory as a building block for parallel embedded real-time systems
- Revisiting Transactions in Ada
- Service offloading in Adaptive Real-Time Systems
- A Parallel Programming Model for Ada
- Combining RTSJ with Fork/Join: A Priority-based Model
- A Framework for Offloading Real-Time Applications in a Distributed Environment

# Well Regarded Work (2012)

- A Feedback-based Decentralised Coordination Model for Distributed Open Real-Time Systems
- Parallel Real-time Support for Distributed Adaptive Embedded Applications
- A Framework for the Development of Parallel and Distributed Real-Time Embedded Systems
- Supporting Real-Time Parallel Task Models with Work-Stealing
- Real-Time Scheduling of Parallel Tasks in the Linux Kernel
- Server-based Scheduling of Parallel Real-Time Tasks
- Dynamic Global Scheduling of Parallel Real-Time Tasks

# Active in the Ada Community

- Joined the Board of Ada-Europe in 2007
- Program co-chair of the Ada-Europe conference in Stockholm
- Established the record of the longest tenure as Editor-in-Chief of the Ada User Journal (21 issues since 2007), as part of which he created the on-line AUJ archive and consolidated the flow of contributions
- Organized the Ada-Europe conference in Porto
- Organized the International Real-Time Ada Workshop series in the wonderful location of Viana do Castelo
- Responsible for getting Portugal represented on the ISO working group on Ada (WG9)



# Luis Miguel Pinho

Coordinator Professor at the Department of Computer Engineering - School of Engineering of the Polytechnic Institute of Porto, and Vice-Director and Research Associate at the CISTER research unit, where he currently leads the real-time software research line.



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