

# **Future Potential in Computing**

**February 10, 2007**

**Willamette University**

## **Opening Speaker**

Computing in the Animation Industry

*Kathleen O'Reilly*

**Laika**

## **Keynote Presentation**

There are Cool Jobs in CS -- and Lots of Them!

*Mike Bailey*

**Professor, School of Electrical Engineering and  
Computer Science, Oregon State University**

## **Keynote Presentation**

Day in the Life/My Road to IT

*Paul McKenney*

**Distinguished Engineer, Linux Technology Center, IBM**

## **Panel Discussion and Student Q&A**

Moderator:

*Jenny Orr* – **Willamette University**

Panelists:

*Scott Hanselman* - **Corillian Corporation**

*Sean Atkinson* - **Willamette University**

*Chris Avis* – **Microsoft**

*Karen Ward* – **University of Portland**

## **Raffle Drawing**

**Sean Adkinson** (Senior, Willamette University) grew up in urban Portland, Oregon, where lack of funding in public schools didn't allow him to be exposed to even one class in computer science. His love and skills in Mathematics helped him earn his way into Willamette University through scholarships, and once introduced to computer programming and technologies, he never looked back. Sean is a Math and Computer Science double major, and has a part-time website development business on the side.

**Chris Avis** (Microsoft) is an ITPro Evangelist with Microsoft. He is charged with speaking to anyone who will listen about Microsoft Products and Technologies. While his focus is on Small to Huge businesses and the way technology can make the lives of their IT Professionals easier and simpler, he is just as comfortable talking to consumers about Vista, Office, Mobile solutions and even Media Center. Chris started his career at Microsoft in 1994 as a contract customer service representative during the Windows 95 launch. Interestingly, he did not know who Bill Gates was or what Microsoft was prior to applying with the company. Why? He was an Apple user and had been since the late 70's. Chris left the company as a contractor in 1996 only to return 1 year later as a full time employee supporting networking technologies for Windows NT 4.0 Server and client connectivity. He was one of the original 10 that supported the Small Business Server 4.0 products where he stayed for five years. In 2002, Chris took on the challenge of speaking to IT Pros and "evangelizing" the great products and technologies Microsoft delivers. Prior to coming to Microsoft, Chris worked as a Packaging Specialist with Frito-Lay for 6 years and ran one of the largest for-profit social/chat BBSes in the Dallas, Tx Metroplex.

**Mike Bailey** (Oregon State University) is a Professor of Computer Science at Oregon State University. His areas of interest include scientific visualization, high performance computer graphics, GPU programming, solid freeform fabrication, geometric modeling, and computer aided design and analysis. Mike received his PhD from Purdue University in Computer Graphics and Computer Aided Design in 1979. From 1979-1981 he was a member of Sandia National Laboratories' Technical Staff, specializing in developing CAD/graphics tools for mechanical designers. From 1981-1985, Mike was a faculty member at Purdue University, where he taught and conducted research in the areas of computer graphics and computer aided mechanical engineering. In 1985, Mike became the Director of Advanced Development at Megatek Corporation, where he managed a group of engineers who were charged with developing Megatek's next generation of computer graphics technology. From 1989-2004, Mike was the Director of Visualization at the San Diego Supercomputer Center and an adjunct professor at the University of California San Diego. Mike enjoys teaching and has taught a variety of college classes to over 3,200 students. UCSD's Computer Science seniors voted him Teacher of the Year 5 years in a row, from 1997-2002. Mike can be contacted at [mjb@cs.oregonstate.edu](mailto:mjb@cs.oregonstate.edu)

**Scott Hanselman** (Corillian Corporation) is Chief Architect at the Corillian Corporation, an eFinance enabler. He has thirteen years of experience developing software, in last 6 years with VB.NET and C#. Scott is proud to have been appointed the Microsoft Regional Director for Portland, OR for the last five years, developing content and speaking at Developer Days and the Visual Studio.NET Launches in both Portland and Seattle. Scott was in the top 5% of audience-rated speakers at TechEd 2003 in Dallas, TechEd 2005 in Orlando and 2006 in Spain. He's spoken in Africa, Europe and Asia on Microsoft technologies and co-authored 3 books, most recently Professional ASP.NET 2.0 with Bill Evjen and Devin Rader. Scott has spoken on a 15-city national tour with Microsoft, Compaq and Intel featuring Microsoft Technologies and evangelizing good design practices. Scott has also ranted at VSLive, and was made a Microsoft MVP for ASP.NET in 2004 and a Solutions Architecture MVP in 2005/6. His thoughts on the Zen of .NET, Programming and Web Services is at <http://www.computerzen.com> and his weekly technology Podcast is available on iTunes and at <http://www.hanselminutes.com>.

**Paul E. McKenney** (IBM) is a distinguished engineer at IBM and has worked on SMP, NUMA, and RCU algorithms for longer than he cares to admit (see <http://www.rdrop.com/users/paulmck> if you don't believe this). He has recently become quite interested in getting realtime response from mid-range SMP systems. Prior to that, he worked on packet-radio and Internet protocols (but long before the Internet became popular), system administration, realtime systems, and even business applications. He has published more than 40 papers and holds more than 20 patents, and his hobbies include running and the usual house-wife-and-kids habit.

**Kathleen O'Reilly** (LAIKA) received her BA from Brooks Institute of Photography and her MA in Educational Technology from Pepperdine University. She has been involved with motion picture production and computer graphic special effects for more than 25 years. Currently, Kathleen manages the Education Department at LAIKA, a newish company formed to produce computer graphic and stop motion feature animation productions in Portland, Oregon.

**Karen Ward** (University of Portland) received her B.Sci. in Computer Science from the University of Oregon and worked as a software engineer for 13 years before earning her M.Sci. and Ph.D. degrees from Oregon Graduate Institute of Science and Technology. She currently is an Assistant Professor of Computer Science in UP's School of Engineering. Her research interests include the design of documentation and dialogue models for spoken language understanding.