



Phoenix Chapter of the IEEE Computer Society

April, 2016

News

Please note: beginning in 2016 we are holding our meetings on the **second** Wednesday of the even numbered months.

Meetings

Our April chapter meeting will be held at DeVry University, Phoenix Campus. DeVry is located at 2149 W Dunlap – about a mile east of I-17 on Dunlap. We are pleased to announce that Hal Berghel, an IEEE Distinguished Speaker, will be returning. He has presenedt to our chapter in the past. Hal will be talking about Stuxnet, its ramifications and aftermath. Hal’s presentations are always excellent.

Beyond Stuxnet

Hal Berghel, FACM, FIEEE

Stuxnet (Operation Olympic Games) was a cyber-kinetic attack authorized by George W. Bush at the tail end of his administration, and sustained by Barack Obama. While Stuxnet may be the first highly successful state-launched cyber-attack on a sovereign nation. the most important part of its legacy may be political rather than technological. The speaker will present Stuxnet in both a technological and political framework, and draw conclusions from the Stuxnet experience that will indicate the trajectory of cyber weaponry.

Bio:

Hal Berghel is currently Professor of Computer Science at the University of Nevada, Las Vegas where he has previously served as Director of both the Schools of Computer Science and Informatics, and as Associate Dean of the College of Engineering. He created and directed the first CyberSecurity degree programs (Bachelors, Masters and PhD) in Nevada in 2005. This program became an NSA Center for Academic Excellence two years later. He was the founding Director of the Identity Theft and Financial Fraud Research and Operations Center and CyberSecurity Research Center. His research interests are wide-ranging within the binary and digital ecosystem, ranging from logic programming and expert systems, relational database design, algorithms for non-resolution based inferencing, approximate string matching, digital watermarking and steganography, and digital security and privacy. Since the mid-1990's he has applied his work in digital security to law enforcement and intelligence gathering, particularly with respect to digital crime, digital money laundering, information warfare and trusted identities. His research has been supported by both industry and government for over thirty years. His

most recent work in secure credentialing technology was funded by the Department of Justice. In addition to his academic positions, Berghel is also a popular columnist, author, frequent, talk show guest, inventor, and keynote speaker. For nearly fifteen years he wrote the popular Digital Village column for the Communications of the ACM, and has written the Out-of-Band column for IEEE Computer since 2011, and has chaired the editorial panel of the Aftershock column in Computer since its inception in January, 2016..

Berghel is a Fellow of both the Institute for Electrical and Electronics Engineers and the Association for Computing Machinery, and serves both societies as a Distinguished Visitor and Distinguished Lecturer, respectively. He has received the ACM Outstanding Lecturer of the Year Award four times and was recognized for Lifetime Achievement in 2004. He has also received both the ACM Outstanding Contribution and Distinguished Service awards. He is also the founder and owner of Berghel.Net, a consultancy serving government, business and industry. Berghel is a member of the Nevada Technology Crimes Advisory Board and Chairs the Nevada Privacy Subcommittee.

The dates for the remaining meetings in 2016 are

- June 8th
- August 10th
- October 12th
- December 14th

All meetings begin at 6:00 pm and end at 9:00 pm. The venue locations vary as we try to balance venues between the east side of the valley and the west side.

We are seeking volunteers for assistance in the operation of the chapter, from program acquisition to meeting preparation to the officer positions. If you are interested in volunteering, please let one of the officers noted below know via email.

Visit the CS Chapter website for the latest information: <http://ewh.ieee.org/r6/phoenix/compsociety/>.
For brief announcements regarding upcoming events we are also on Twitter: @IEEECS_PHX

If you would like to suggest a topic or speaker for any of our future meetings, please contact one of the chapter officers:

Chair	Jerry Crow	jerry.crow@computer.org
Vice-chair	Dr. Brad Morantz	bradscientist@ieee.org
Secretary	Audrey Skidmore	askidmore@computer.org
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