

RICHARD J. ENBODY

Department of Computer Science and Engineering
Michigan State University
428 S. Shaw Lane, Room 3115
East Lansing, Michigan 48824-1226
email: enbody@cse.msu.edu
URL: <http://www.cse.msu.edu/~enbody>
(517) 353-3389

EDUCATION

- 1982 - 1987 Ph.D., Computer Science
 Minor in Electrical Engineering
 University of Minnesota, Minneapolis, Minnesota
- 1972 - 1976 B.A., Mathematics
 Carleton College, Northfield, Minnesota

AWARDS

- 2015 National Center for Women in IT EngageCSEdu Excellence Award
1992 & 2008 MSU Engineering College Withrow Teaching Excellence Award

EXPERIENCE

- 1993 - present Associate Professor
 Computer Science & Engineering, Michigan State University, E. Lansing, MI
- 1996 - 1999 Associate Chairperson
 Computer Science Dept., Michigan State University, East Lansing, MI
- 1998 Acting Chairperson
 Computer Science Dept., Michigan State University, East Lansing, MI
- 1987 - 1993 Assistant Professor
 Computer Science Dept., Michigan State University, East Lansing, MI
- 1983 Summer Programmer
 Control Data Corporation, Arden Hills, MN
- 1981 - 1982 Instructor
 Departments of Computer Science and Mathematics
 University of New Hampshire, Durham, NH
- 1978 - 1981 Mathematics Teacher, Dorm Master, Coach
 St. Paul's School, Concord, NH
- 1976 - 1978 Mathematics Teacher, Coach
 Hartford High School, White River Junction, VT

TECHNICAL AND PROFESSIONAL SOCIETIES

Member, The Institute of Electrical and Electronic Engineers (IEEE)

Member, The Association of Computing Machinery (ACM)

Member, Information Systems Security Association (ISSA)

PATENTS

“Micro-Fastening System and Method of Manufacture”. U.S. Patent 7,181,811 (February 27, 2007) with D. Tománek and Young-Kyun Kwon,

“Nanocapsules Containing Charged Particles, Their Uses and Methods of Forming the Same,” U.S. Patent 6,473,351 (October 29, 2002) with D. Tománek, Young-Kyun Kwon, and Mark W. Brehob.

“Secure Bit” U.S. Patent Pending with Krerik Piromsopa, U.S. Patent final application filed November 4, 2005: MSU ID #05-001

“Canary Bit” U.S. Patent Pending with Krerik Piromsopa, U.S. Patent application filed October 9, 2006.

BOOKS

Targeted Cyber Attacks: Multi-staged Attacks Driven by Exploits and Malware, Chinese translation, with Aditya Sood, ISBN 978-7-118-11049-4, National Defense Industry Press, 2016

Targeted Cyber Attacks: Multi-staged Attacks Driven by Exploits and Malware, with Aditya Sood, ISBN 978-0128006047, Syngress, 2014

The Practice of Computing using Python, 3rd Ed., with William Punch, ISBN 978-0-13-452051-3, Addison-Wesley, 2016.

The Practice of Computing using Python, 2nd Ed., with William Punch, ISBN 978-0-13-280557-5, Addison-Wesley, 2013.

The Practice of Computing using Python, with William Punch, ISBN 978-0-13-611067-5, Addison-Wesley, 2011.

Science and Applications of Nanotubes, Edited by David Tomanek and Richard Enbody, Fundamental Materials Research Series, Kluwer Academic/Plenum Publishers, 2000.

JOURNAL PUBLICATIONS

Sood, Zeadally, Enbody, “An Empirical Study of HTTP-based Financial Botnets,” *IEEE Trans. Dependable & Secure Computing*, March/April 2016, Vol. 13, no. 2, pp 236-251

Sood, Enbody, “US Military Defense Systems: The Anatomy of Cyber Espionage by Chinese Hackers!,” *Georgetown Journal of International Affairs*, December, 2014

Sood, Enbody, “Crimeware-as-a-service – A survey of commoditized crimeware in the underground market,” *International Journal of Critical Infrastructure Protection*, vol. 6, no. 1, March 2013, pp. 28-38

- Demott, Enbody, Punch, "Systematic Bug Finding and Fault Localization Enhanced with Input Data Tracking," *Computers & Security*, 2013, vol. 32, pp. 130-157
- Sood, Enbody, "The Art of Cyber Bank Robbery," *STSC Crosstalk Journal of Defense Software Engineering*, vol. 26, no. 5, Sept/Oct, 2013, pp. 9-16
- Sood, Greko, Enbody, "Abusing Glype Proxies - Attacks, Exploits and Defenses.," *Network Security*, pp. 8-15, December, 2012
- Sood, Bansal, Enbody, "Dissecting SpyEye - Understanding the design of third generation botnets," *Computer Networks*, vol. 52, no. 3, pp. 436-450, February 2013
- Sood, Enbody, "iPhone Malware Paradigm," *STSC CrossTalk - Journal of Defense Engineering*, Vol. 25, No. 2, Jan/Feb 2012, p. 4 - 8
- Sood, Enbody, "Cross Interface Attacks in Network Devices," *ISACA Journal*, Issue 6, December 2011
- Sood, Enbody, "Frametrapping the Framebusting Defense," *Elsevier NESE - Network Security Journal*, Vol. 2011, Issue 10, October 2011, p. 8-12.
- Sood, Enbody, "State of Declarative Security in Banking Websites," *Elsevier CFS - Computer, Fraud and Security Journal*, Issue 7, July 2011
- Sood, Enbody, "Browser User Interface Design Flaws: Exploiting User Ignorance," *STSC CrossTalk - Journal of Defense Engineering*, Vol. 24, No. 3, May/June 2011, p. 30 - 33.
- Sood, Enbody, "Spying on the browser: dissecting the design of malicious extensions," *Network Security*, Vol. 2011, Issue 5, May 2011, Pages 8-12
- Sood, Enbody, "Malvertising - Mode of Infections," *Elsevier CFS - Computer, Fraud and Security Journal*, Issue 4, April 2011
- Sood, Enbody, "Social Networks - Chain Exploitation," *ISACA Journal - Information Systems Audit and Control Association*, Issue 1, January 2011
- Piromsopa, Enbody, "Survey of Protections from Buffer-Overflow Attacks," *Engineering Journal*, vol 15, no 2, p. 31-52, 2011
- Sood, Enbody, "JavaScript Infection Model," *ISSA Journal - Information Systems Security Association*, Vol. 8, No. 11, November, 2010.
- LaRose, Rifon, Enbody, "Promoting Personal Responsibility for Internet Safety," *Communications of the ACM*, Vol. 51, No. 3, March 2008.
- Piromsopa, Enbody, "Secure Bit : Transparent, Hardware Buffer-Overflow Protection," *IEEE Transactions on Dependable and Secure Computing*, Vol. 3, No. 4, October-December 2006.
- Brehob, Wagner, Torng, Enbody, "Optimal replacement is NP-hard for non-standard caches." *IEEE Transactions on Computers*, vol. 53, no. 1, January 2004, pp. 73 - 76.
- Brehob, M, Enbody, R.J., Torng, E., Wagner, S., "On-line Restricted Cache Scheduling," *Journal of Scheduling*, 6:149-166, 2003.
- Enbody, R.J., Horoi, M. "Using Amdahl's Law as a Metric to Drive Code Parallelization: Two Case Studies," *International Journal of High Performance Computing Applications*, Vol. 15, No 1, Spring 2001, pp. 75 - 80.

- Enbody, R.J., Severance, C.R., and Petersen, P., "Managing the Overall Balance of Operating System Threads on a MultiProcessor using Automatic Self-Allocating Threads (ASAT)," *Journal of Parallel and Distributed Computing – Special Issue on Multithreading for Multiprocessors*, vol. 37, no. 1, August, pp. 106 - 112, 1996.
- Enbody, R.J., Chittor, S., and Jou, Tyan-shu, "A Simulator for Large, Wormhole-Routed Networks," *International Journal of Computer Simulation, Special Issue on the Simulation of Highly Parallel Systems*, vol. 2, no. 2, pp. 151 - 174, 1992.
- Enbody, R.J. and Du, H.C., "SPYDER: a serial/parallel goal-directed router," *INTEGRATION, the VLSI journal*, Vol. 7, 1989, pp. 151 - 187.
- "Dynamic Hashing Schemes," *ACM Computing Surveys*, Vol. 20, No. 2, June 1988, pp. 85 - 113. (Translated into Japanese for a special edition of *bit*, "Computer Science '88," April, 1990, pp. 43 - 68.)

BOOK CHAPTERS

- Sood & Enbody, "Lifecycle of a botnet," in *Hackers and Hacking: A Reference Handbook*, ABC-CLIO, ISBN 978-1-61069-276-2j, 2013
- "Keeping Families Safe Online" in *New Directions in family reserch at Michigan State University* with Larose, R., and Rifon, N. by Whitten, P.S., Bokemeier, J.L., and Fitzgerald, H.E. (Eds.), 2008
- "Future Trends - IA-64" in *High Performance Computing* by Charles Severance and Kevin Dowd, O'Reilly and Assoc, 1998

MAGAZINE ARTICLES

- Sood, Enbody, "Targeted Cyber Attacks - A Superset of Advanced Persistent Threats," *IEEE Security & Privacy*, vol. 11, no. 1, January/February 2013, pp. 54-61
- Sood, Bansal, Enbody, "Cybercrime : Dissecting the State of Underground Enterprise," *IEEE Internet Computing*, vol. 17, no. 1, January-February 2013, pp. 60-68.
- Sood, Bansal, Enbody, "Win-locker Ransomware," *Virus Bulletin*, Issue 11, November 2012
- Sood, Bansal, Enbody, "Inside ICE IX - Descendent of Zeus," *Virus Bulletin*, Issue 8, August 2012
- Sood, Enbody, "Circumventing SMS Based Two Factor Authentication (TFA)," *Digital Forensics Magazine*, August 2012
- Sood, Enbody, "Malware Design Strategies (Part 2)," *Virus Bulletin*, Issue 6, June 2012
- Sood, Enbody, "Malware Design Strategies (Part 1)," *Virus Bulletin*, Issue 5, May 2012
- Sood, Enbody, "Zombifying Targets - Malicious Phishing Campaigns," *Virus Bulletin*, Issue 4, April 2012
- Sood, Bansal, Enbody, "Dissecting the NGR Bot Framework," *Virus Bulletin*, Issue 1, January 2012

- Sood, Enbody, "Social Networks - Launchpads for Malware," *Commercial Crime International*, December, 2011
- Sood, Enbody, Bansal, "The Art of Stealing Banking Information - Form Grabbing on Fire," *Virus Bulletin*, Issue 11, November 2011
- Sood, Enbody, "Extending SQL Injection Using Buffer Overflows - Tactical Exploitation," *Hack In The Box Magazine*, Issue 7, September 2011
- Sood, Enbody, "Browser Malware Taxonomy," *Virus Bulletin Magazine*, Issue 6, June 2011
- Sood, Enbody, "Exploiting Web Virtual Hosting," *HackInTheBox (HITB) Magazine*, Issue 1, February 2011
- Sood, A, Enbody, R., and Bansal, R., "SpyEye Malware Infection Framework," *Virus Bulletin Magazine*, Issue 7, July 2011
- Sood, A, Enbody, R., and Bansal, R., "SpyEye Bot - Exploitation Tactics," *Virus Bulletin Magazine*, Issue 8, August 2011
- Enbody, R., Punch, W., "Teaching Python in the University," *Python Magazine*, August, 2009

CONFERENCE PROCEEDINGS

- Lishinski, Yadav, Good, Enbody "Learning to program: Gender Differences and Interactive Effects of Motivation, Goals, and Self-Efficacy on Student Performance," *ICER '16 Proceedings of the 2016 ACM Conference on International Computing Education Research*, Best Paper Award, Melbourne, Australia, September 2016
- Lishinski, Yadav, Good, Enbody "The Influence of Problem Solving Abilities on Students' Performance on Different Assessment Tasks in CS1.," *SIGCSE '16 Proceedings of the 47th ACM Technical Symposium on Computing Science Education*, Memphis, Tennessee, March, 2016
- Sood, Enbody, "Spying on SpyEye - What Lies Beneath?," *Hack In The Box Security Conference*, Amsterdam, Europe, May 2011
- Sood, Enbody, "The Conundrum of Declarative Security," *Workshop on Collaborative Methods for Security and Privacy*, Washington DC, USA, August 2010
- Sood, Enbody, "The Good Hacker - Hunting Web Malware," *Proceedings of OWASP - Web Application Security Conference 2011*, Minneapolis, Minnesota, USA
- Sood, Enbody, "Browser Exploit Packs - Exploitation Paradigm," *Proceedings of 21st Annual Virus Bulletin Conference 2011*, Barcelona, Spain, October 2011
- Sood, Enbody, "Cross Interface Attacks: Malware Paradox," *Proceedings of the 13th Symposium of Association of Anti Virus Asia Researchers(AAVAR 2010)*, November 2010
- Sood, Enbody, "The Conundrum of Declarative Security - HTTP Response Headers: Lessons Learned," *Workshop on Collaborative Methods for Security and Privacy(USENIX CollSec 2010)*, August 2010

- DeMott, J., Enbody, R., Punch, W. 2011. "Towards an Automatic Exploit Pipeline." *Proceedings of the The 6th International Conference for Internet Technology and Secured Transactions (ICITST-2011)*. IEEE, Abu Dhabi, UAE
- Demott, J, Enbody, R., Punch, W. "ClusterFuzz: A Novel Distributed Fuzzing System including Fault Localization," *Blackhat 2010*
- Enbody, R., Punch, W., et al., "Measuring the Effect of Intervening Early With at Risk Students in a CS1 Course," *ASEE 2010*
- Enbody, R., Punch, W., "Performance of Python CS1 Students in Mid-level non-Python CS Courses," *SIGCSE 2010*
- Enbody, R., Punch, W., McCullen, M, "Python CS1 as Preparation for C++ CS2," *SIGCSE 2009*, p. 116 - 120
- Enbody, R., Rifon, N., LaRose, R., "Kepping Families Safe Online," *AMA 2008 Marketing & Public Policy Conference*, May, 2008
- Demott, J., Enbody, R., Punch, W., "Revolutionizing the Field of Grey-box Attack Surface Testing with Evolutionary Fuzzing," *Black Hat USA 2007 & DefCon 15*, 2007.
- Enbody, R., Zhang, Y., "A Mathematic Model for Securing Private Data in an Outsourcing Environment", *6th Security Conference*, 2007.
- Enbody, R., Piromsopa, K., "Architecting Security: A Secure Implementation of Hardware Buffer-Overflow Protection", *Third International Conference on Advances in Computer Science and Technology (ACST) 2007*.
- Piromsopa and Enbody, "Arbitrary Copy: Bypassing Buffer-Overflow Protections," *Sixth IEEE International Conference on Electro/Information Technology*, 2006, p. 580-584.
- Piromsopa and Enbody, "Buffer-Overflow Protection: The Theory," *Sixth IEEE International Conference on Electro/Information*, 2006, p. 454-458.
- Piromsopa and Enbody, "Defeating Buffer-Overflow Prevention Hardware," *Fifth Annual Workshop on Duplicating, Deconstructing, and Debunking.*, 2006, p. 58-65.
- DeMott and Enbody, "The Evolving Art of Fuzzing," *DEF CON 14*, 2006.
- Zhang, Enbody, Lloyd, "Proactive, Content-Aware, Sensitive Data Protection Framework for Enterprises," *Communication, Network and Information Security (CNIS 2006)*
- Zhang and Enbody, "Protecting Private Data in an Outsourcing Environment," *Communications, Internet and Information Technology (CIIT 2006)*
- Brehob, M, Enbody, R.J., Torng, E., Wagner, S., "On-line Restricted Cache Scheduling," *Proceedings of the 12th Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, p. 374-383, 2001.
- Stockman, G, Enbody, R.J., "Teaching Advanced Students C++ with Computer Vision," *Computer Vision and Pattern Recognition: Combined Research-Curriculum Development in Computer Vision Workshop*, Dec., 2001.
- Horoi, M., Enbody, R., Tomanek, D, "High Performance Implementation of a Carbon Molecular Dynamics Code on a Cluster of Workstations," *American Physics Society*, March, 2000.

- Enbody, R.J., "A Virtual University CS1 Course as a Platform for Web-based Education Experimentation," *American Society for Engineering Education Annual Conference*, June, 1999.
- Hughes, J., Rover, D., and Enbody, R.J., "Towards a More Collegial and Consultative ABET Visit," *Frontiers in Education*, November, 1999.
- Brehob, M, Enbody, R.J., Kwon, Y-K, Tomanek, D., "The Potential of Carbon-based Memory Systems," *1999 IEEE International Workshop on Memory Technology, Design, and Testing*, August 1999, p.110-114.
- Enbody, R.J. and Horoi, M., "Performance Analysis and Optimization of a Parallel Carbon Molecular Dynamic Code on a Cray T3E," *International Conference on Parallel Processing*, August, 1998, p. 62-69.
- Horoi, M., Enbody, R. J., "High Performance Implementation of a Carbon Molecular Dynamic Code on a Cray T3E." *American Physical Society Annual Meeting 1998*.
- Enbody, R.J., "The Computer Architecture Sequence at Michigan State University," *International Symposium on Computer Architecture Workshop on Computer Architecture Education*, June, 1998. (Also reprinted in the "IEEE Computer Society Technical Committee on Computer Architecture Newsletter" p. 10-12, February 1999.)
- Enbody, R.J., Kelly, P., Moore, W.M., "Performance Monitoring in Advanced Computer Architecture," *International Symposium on Computer Architecture Workshop on Computer Architecture Education*, June, 1998.
- Enbody, R.J. "Our Experience Developing CQI Procedures for ABET 2000 Accreditation", *IEEE Frontiers In Education 1998*, p.878 - 883.
- Enbody, R.J. and Severance, C.R., "Comparing Gang Scheduling with Dynamic Space Sharing on Symmetric Multiprocessors Using Automatic Self-Allocating Threads (ASAT)," *International Parallel Processing Symposium*, April, 1997, pp. 288 - 293.
- Enbody, R.J. and Severance, C.R., "Automatic Self-allocating Threads (ASAT) on an SGI Challenge, " *International Conference on Parallel Processing*, August, 1996, vol. III, pp. 132 - 139.
- Enbody, R.J. and Severance, C.R., "A Possible Addition to HPF 3.0 - Real Valued Indexed (RVI) Arrays," *High Performance Computing Symposium 96*, New Orleans, Louisiana, April, 1996, pp. 248-253.
- Severance C, Enbody R, "Automatic Self Allocating Threads on a Convex Exemplar," *Proceedings 1996 Convex Users Group*, May 1996.
- Enbody, R.J., Severance, C.R., Steve Wallach and Brad Funkhouser, "Automatic Self-allocating Threads (ASAT) On The Convex Exemplar," *24th International Conference on Parallel Processing*, Oconomowoc, Wisconsin, 1995, Vol. 1. pp. 24 - 31.
- Enbody, R.J., Li, T.Y., Xiaozhuo, Y., "A Parallel Algorithm For The Nonsymmetric Eigenvalue Problems," *7th SIAM Conference on Parallel Processing for Scientific Computing*, San Francisco, 1995, pp. 569-570.
- Enbody, R.J., Purdy, R., Severance, C.R., "Dynamic Load Balancing," *7th SIAM Conference on Parallel Processing for Scientific Computing*, San Francisco, 1995, pp. 645-646.

- W.F. Punch, E.D. Goodman, Min Pei, Lai Chia-Shun, P. Hovland and R. Enbody, "Further Research on Feature Selection and Classification Using Genetic Algorithms", *5th International Conference on Genetic Algorithms*, Urbana-Champaign, July 1993, pg 557.
- Goodman, Punch, Pei, Enbody, Lai, Hovland, "Genetic Algorithms: New Implementations and New Applications," *CAD-93*, Yalta, May, 1993.
- Nesbeitt, P., Enbody, R. J., Bulgac, A., Tománek, D., Overney, G., Severance, C., "A Topology- and Problem-Independent Scalable Parallel Approach to Molecular Dynamics Simulation", *Sixth SIAM Conference on Parallel Processing for Scientific Computing*, March, 1993, pp. 170 - 173.
- Severance, C., Enbody, R. J., Bulgac, A., Tománek, D., "Real-Valued Array Indices: A Possible FORTRAN Extension," *Sixth SIAM Conference on Parallel Processing for Scientific Computing*, March, 1993, pp. 979 - 982.
- Enbody, R.J., and Jou, T-S, "A Scalable Snoopy Coherence Scheme on Distributed Shared-Memory Multiprocessors," *IEEE Supercomputing'92*, 1992, pp. 652 - 659.
- Enbody, R.J., and Jou, T-S, "Address-Separated Multibus Architecture," *International Conference On Parallel And Distributed Systems*, 1992, pp. 82 - 89.
- Punch, W. F., and Enbody, R. J., "Teaching the Concept of Computation to Junior High-School Students," *IEEE Frontiers in Education Conference*, 1992, pp. 292 - 297.
- Robinson, D., Cheng, B.H.C., Enbody, R.J., "A Transparent Monitoring Tool for Shared-Memory Multiprocessors," *16th Annual IEEE International Conference on Computer Software and Applications (COMPSAC)*, 1992, pp. 227 - 232.
- Newman, T., Jain, A., Enbody, R.J., "3D Object Recognition: Interpretation Tree Search on a MIMD Machine" *IAPR's 11th International Conference on Pattern Recognition (Architectures for Vision and Pattern Recognition Track)*, 1992, pp. A-337 - A-340.
- Enbody, R.J., and Chittor, S., "Predicting the Effect of Mapping on the Communication Performance of Large Multicomputers," *1991 Int'l Conference on Parallel Processing*, Vol. II, pp. 1 - 4.
- Enbody, R.J., Tan, K., Lynn, G., "Routing the 3D Chip," *28th Design Automation Conference*, June, 1991, pp. 132 - 137.
- Enbody, R.J., and Chittor, S., "Performance Evaluation of Mesh-Connected Wormhole-Routed Networks for Interprocessor Communication in Multicomputers," *IEEE/ACM Supercomputing '90*, November, 1990, pp. 647 - 656.
- Enbody, R.J., and Chittor, S., "Performance Degradation in Large Wormhole-Routed Interprocessor Communication Networks," *1990 Int'l Conference on Parallel Processing*, August, 1990, pp. 424 - 428.
- Enbody, R.J., and Chittor, S., "Will 2D Mesh replace Hypercubes?," *PARBASE-90: International Conference on Databases, Parallel Architectures, and their Applications*, March, 1990, pp. 117 - 119.
- Enbody, R.J., and Chittor, S., "Hypercubes vs. 2D Mesh," *4th SIAM Conference on Parallel Processing for Scientific Computing*, December, 1989, pp. 313 - 318.

Enbody, R.J., and Chittor, S., "Link Switching: A Communication Architecture for Configurable Parallel Systems," *Proc. 8th Int'l Phoenix Conference on Computers and Communications*, March, 1989, pp. 386 - 390.

Enbody, R.J., Robinson, D.F., and Sun, X-H., "A Pipelined Parallel Approach for Solving Dense Linear Systems," *4th Conference on Hypercube Concurrent Computers and Applications*, March, 1989.

Enbody, R.J. and Du, H.C., "General Purpose Router," *Proc. 24th Design Automation Conference*, July 1987, pp. 637 - 640.

Enbody, R.J. and Du, H.C., "Near Optimal n -layer Channel Routing," *Proc. 23th Design Automation Conference*, July 1986, pp. 708 - 714.

POSTER SESSIONS

Severance, C.R., Enbody, R.J., "Software-Based, Automatic, Self-Adjusting Threads (ASAT) for Parallel Supercomputers," *Sumpercomputing '94*, Washington D.C., November, 1994.

Severance, C.R., Enbody, R.J., Purdy, R., "Evolving Dynamic Load Balancing to Shared Memory Parallel Processors," *Sumpercomputing '94*, Washington D.C., November, 1994.

Enbody, R.J., and Chittor, S., "Iterative Matrix-Vector Products on the Connection Machine for Neural Network Simulation," *4th SIAM Conference on Parallel Processing for Scientific Computing*, December, 1989.

Ph.D. STUDENTS GRADUATED

- Chittor, Suresh, 1991: Microarchitect, Microprocessor Group MD6-SET, Intel Corporation, Beaverton, Oregon
- Jou, Tyan-Shu, 1993: Director, Accton Technology Corp., Taiwan
- Severance, Charles, 1996: Clinical Associate Professor, School of Information, University of Michigan, Ann Arbor, Michigan
- Brehob, Mark, 2003: Department of Computer Science, University of Michigan, Ann Arbor, Michigan
- Piromsopa, Kerk, 2006: Department of Computer Engineering, Chulalongkorn University, Bangkok, Thailand
- Demott, Jared, 2012: Principal Security Researcher, Bromium Cupertino, CA
- Sood, Aditya, 2013: Chief Security Architect, Symantic, Mountain View, CA