Adi Sosnovich

Education

2011 – 2017   PhD (direct track) in Computer Science, Technion, Israel
Institute of Technology.
Advisor: Prof. Orna Grumberg.
Research topic: "Finding built-in security vulnerabilities in network
protocols using methods of formal verification".

2008 – 2010   B.Sc. in Computer Science, Technion, Israel Institute of Technology.
Graduated cum laude, GPA: 92.

2004 – 2005   Technion – external studies. Participated in gifted students program
for external students, and studied towards B.Sc. during high school.

Awards

2014   The Randy L. and Melvin R. Berlin Fellowship in the Cyber
Security Research and Teaching Program

2013   Excellent Scholarship, the Computer Science Department, Technion.

2011   Excellent Scholarship, Dean Support, Technion.

2008   Technion presidential list award of distinction.

Thesis Publications

2017   PhD Thesis: Finding built-in security vulnerabilities in network
protocols using methods of formal verification

Conference Publications

2015   Adi Sosnovich, Orna Grumberg, Gabi Nakibly:
Analyzing Internet Routing Security Using Model
Checking. LPAR 2015: 112-129

2014   Gabi Nakibly, Adi Sosnovich, Eitan Menahem, Ariel Waizel, Yuval
Elovici: OSPF vulnerability to persistent poisoning attacks: a
systematic analysis. ACSAC 2014: 336-345

2013   Adi Sosnovich, Orna Grumberg, Gabi Nakibly: Finding Security
Vulnerabilities in a Network Protocol Using Parameterized
Systems. CAV 2013: 724-739

Submitted Publications

2017   Adi Sosnovich, Orna Grumberg, Gabi Nakibly:
            Formal Black-Box Analysis of Routing Protocol
            Implementations

Teaching

2012 – 2016   Theory of Compilation (Teaching assistant in charge)

2011 – 2012   Theory of Compilation (Teaching assistant)

Employment

2017 -   IBM Haifa Research Lab

2009-2010   IBM Haifa Research Lab

Military Service

2005 – 2007   Full military service at the Intelligence Corps.