

Elisavet Kozyri

ADDRESS Cornell University
 Department of Computer Science
 441 Gates Hall
 Ithaca, 14853, NY

E-MAIL ekozyri@cs.cornell.edu

RESEARCH Information flow control can be used to enforce restrictions (e.g., confidentiality, integrity) on input data and on any other information that is intentionally or unintentionally derived from that data. My research enhances the expressiveness of information flow policies to allow for sound and more permissive enforcement mechanisms.

EMPLOYMENT

2018 - Present Postdoctoral Associate, Computer Science, Cornell University
 Supervisor: Fred B. Schneider

EDUCATION

2018 Ph.D., Computer Science, Cornell University
 Title: Enhancing Expressiveness of Information Flow Labels: Reclassification and Permissiveness
 Advisor: Fred B. Schneider
 Thesis Committee: Andrew Myers (CS), Gün Sirer (CS), Richard Shore (Math)

2015 M.S., Computer Science, Cornell University
 Title: Reactive Information Flow Specifications
 Advisor: Fred B. Schneider
 Thesis Committee: Andrew Myers (CS), Gün Sirer (CS), Richard Shore (Math)

2010 5-Year Diploma
 Electrical and Computer Engineering, National Technical University of Athens
 GPA : 9.39/10
 Diploma Thesis: Introducing Semantics of High Performance Interconnection Networks in Virtual Machines
 Advisor: Nectarios Koziris

EXPERIENCE

Spring 2017 Teaching Assistant
 System Security (CS 5430) at Cornell University, taught by Michael Clarkson
 – Designed and delivered the three lectures for information flow control.

Summer 2016 Instructor
 Operating Systems (CS 4410) at Cornell University

Summer 2013 Instructor
Operating Systems (CS 4410) at Cornell University

Spring 2013 Teaching Assistant
System Security (CS 5430) at Cornell University, taught by Fred B. Schneider

Spring 2012 Teaching Assistant
System Security (CS 5430) at Cornell University, taught by Fred B. Schneider

Fall 2011 Student Academic Services Assistant
Formal Methods (CS 5860) at Cornell University, taught by Robert L. Constable

Summer 2011 Instructor
Operating Systems (CS 4410) at Cornell University

PUBLICATIONS

Beyond Metalabels: Permissiveness for Dynamic Information Flow Enforcement. In preparation. With Fred B. Schneider, Andrew Bedford, Josée Desharnais, and Nadia Tawbi.

RIF: Reactive Information Flow Labels. In preparation. With Fred B. Schneider.

JRIF: Reactive Information Flow Control for Java. Submitted for publication. Preliminary version available as eCommons technical report 1813/41194, Oct 2015. With Owen Arden, Andrew C. Myers, and Fred B. Schneider.

Enhancing expressiveness of information flow labels: Reclassification and permissiveness. Ph.D. Dissertation, Cornell University, Ithaca, NY, 2018.

A progress-sensitive flow-sensitive inlined information-flow control monitor (extended version). *Computers & Security*, 2017. With Andrew Bedford, Stephen Chong, Josée Desharnais, and Nadia Tawbi.

Block-safe Information Flow Control. eCommons technical report 1813/44564, Aug 2016. With Josée Desharnais, and Nadia Tawbi.

A Smart HPC interconnect for clusters of Virtual Machines. *Proceedings 6th Workshop on Virtualization in High-Performance Cloud computing (VHPC 2011)*, Bordeaux, France, 29 August - 2 September, 2011. With A. Nanos, N. Nikoleris, S. Psomadakis and N. Koziris.

AWARDS

2017 French-American Doctoral Exchange Seminar (FADEX) Laureate.

2017 Outstanding TA award, May 2017, Cornell University.

2013 Scholarship for the Summer School on Formal Methods for the Science of Security, July 22-26, 2013, University of Illinois (Urbana-Champaign).

2013 Scholarship for the GREPSEC Workshop, May 18-19, 2013, San Francisco, California.

- 2011* Student scholarship for 23rd ACM Symposium on Operating Systems Principles (SOSP), October 23-26, 2011, Cascais, Portugal.
- 2010-2011* McMullen Fellowship for the first year of PhD studies in Computer Science, Cornell University.
- 2006-2008* Honor scholarship from the I.K.Y(State Scholarship Foundation) for achieving the 6th, 7th and 6th position among the students of the Department of Electrical and Computer Engineering, respectively.
- 2007* Award from the Chr.Papakyriakopoulos endowment for achieving the highest average in classes of mathematics during 1st, 2nd, 3rd and 4th semesters.