

Elli Androulaki – Curriculum Vitae

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Positions Held

- **September 2005 - present**
Graduate Student Research Assistant: Computer Science Department, Columbia University

Education

- *PhD, Computer Science, Expected Graduation Date: May 2010*
Columbia University, New York City, NY
Thesis Title: The construction of a deployable and privacy-preserving identity management system addressing all aspects of electronic commerce using the existing privacy preserving cryptographic primitives, while at the same time guaranteeing compatibility with current business models.
Thesis Advisor: **Professor Steven M. Bellovin**
- *M.Phil., Computer Science, February 2009*
Columbia University, New York City, NY
- *M.Sc., Computer Science, May 2007*
Columbia University, New York City, NY
- *M.Sc., Electrical and Computer Engineering, July 2005*
National Technical University of Athens, Athens, Greece
- *B.Sc., Electrical and Computer Engineering, December 2004*
National Technical University of Athens, Athens, Greece

Teaching Experience

- Course Manager, COMS 4180 — Network Security, Columbia University
 - Summer 2008 (only for CVN students)
 - Spring 2008 (only for CVN students)
 - Summer 2007 (only for CVN students)
- Teaching Assistant, COMS W4187 – Security Architecture and Engineering, Columbia University
 - Spring 2007
- Teaching Assistant, COMS W4180 – Network Security, Columbia University
 - Fall 2006

Program Committee Service

- Program Committee, International Workshop on Security and Privacy in Wireless and Mobile Computing (Sec-Pri WiMob 2008)

Conference Publications

1. Elli Androulaki, Maritza Johnson, Binh Vo and Steven Bellovin. CyberSecurity through an Identity Management System. In Proceedings of 1st International Forum on the Application and Management of Personal Electronic Information (EDF), October 2009.
2. Elli Androulaki and Steven M. Bellovin. An anonymous credit card system. In Proceedings of 6th International Conference on Trust, Privacy & Security in Digital Business (TrustBus), September 2009.
3. Elli Androulaki and Steven M. Bellovin. Anonymous delivery of physical objects. In Proceedings of the 9th Privacy Enhancing Technologies Symposium, July 2009.
4. Elli Androulaki, Mariana Raykova, Angelos Stavrou, and Steven M. Bellovin. PAR: Payment for anonymous routing. In Proceedings of the 8th Privacy Enhancing Technologies Symposium, July 2008.
5. Elli Androulaki, Seung Geol Choi, Steven M. Bellovin and Tal Malkin. Reputation systems for anonymous networks. In Proceedings of the 8th Privacy Enhancing Technologies Symposium, July 2008.
6. Weijen Li, Salvatore Stolfo, Angelos Stavrou, Elli Androulaki and Angelos D. Keromytis. A Study of Malcode-Bearing Documents. In Proceedings of the 4th GI International Conference on Detection of Intrusions & Malware, and Vulnerability Assessment(DIMVA), pp. 231 - 250.

Workshop Publications

1. Elli Androulaki and Steven Bellovin. A Secure and Privacy-Preserving Targeted-Ads System. In Proceedings of the 1st Real Life Cryptographic Protocols and Standardization (RLCPS), January 2010.

Technical Reports

1. Elli Androulaki and Steven M. Bellovin. A Secure and Privacy-Preserving Targeted Ad System. Technical Report CUCS-044-09, Department of Computer Science, Columbia University, October 2009.
2. Elli Androulaki and Steven M. Bellovin. An anonymous credit card system. Technical Report CUCS-10-09, Department of Computer Science, Columbia University, February 2009.

3. Elli Androulaki, Mariana Raykova, Angelos Stavrou, and Steven M. Bellovin. Opentor: Anonymity as a commodity service. Technical Report CUCS-031-07, Department of Computer Science, Columbia University, September 2007.
4. Elli Androulaki, Seung Geol Choi, Steven M. Bellovin, and Tal Malkin. Reputation systems for anonymous networks. Technical Report CUCS-029-07, Department of Computer Science, Columbia University, September 2007.
5. Wei-Jen Li, Salvatore Stolfo, Angelos Stavrou, Elli Androulaki, and Angelos D. Keromytis. Study of Malcode-Bearing Documents. Technical Report CUCS-028-07, Department of Computer Science, Columbia University, September 2007.

Patents

1. WeiJen Li, Sal Stolfo, Angelos Stavrou, and Elli Androulaki. Methods, media, and systems for detecting attack on a digital processing device. Case number M09-049, Department of Computer Science, Columbia University, September 2007.

Honors, Awards

- Greek State Scholarship Foundation Award for graduating at the top 1% of class 2005
- Technical Chamber of Greece (TEE-TCG) Best Student Award 2001
- Greek State Scholarship Foundation Best Student Award 2001, 2002
- Gerondellis Foundation Scholarship for Exceptional Greek Graduate Students in USA 2009

Internships

- Software Engineer Intern, Google Inc., Zurich CH, Summer 2008
- Software Engineer Intern, Google Inc., Mountain View CA, Summer 2007