

Marco Cova

CONTACT INFORMATION	Computer Security Group Department of Computer Science Santa Barbara, CA 93106-5110	<i>E-mail:</i> marco@cs.ucsb.edu
RESEARCH INTERESTS	My research interests include most aspects of computer security, with an emphasis on intrusion detection, web security and vulnerability analysis.	
EDUCATION	University of California <i>PhD Candidate, Dept. of Computer Science</i>	September 2005 - Present Santa Barbara, CA
	Performed research in vulnerability analysis, web application security and binary analysis.	
	University of Bologna <i>M.S., Dept. of Computer and Electrical Engineering</i>	September 1998 - December 2003 Bologna, Italy
	- Main subjects of study included Computer Networks, Programming Languages, and Database Systems, as well as Electrical Engineering and Electronics. - Completed final dissertation on the design and implementation of an intrusion detection system for Linux.	
	University of California, Santa Barbara <i>Education Abroad Student, Dept. of Computer Science</i>	September 2001 - September 2002 Santa Barbara, CA
	Courses attended include Database Systems, Operating System, Computer and Network Security.	
WORK EXPERIENCE	ITC-irst Automated Reasoning Systems <i>Research Assistant</i>	April 2004 - September 2005 Via Sommarive 18, 38050 Trento, Italy
	- Performed research in machine learning and distributed systems. - Designed and developed methods to solve semantic interoperability problems in distributed environments.	
SOCIETY MEMBERSHIPS	Association for Computing Machinery (ACM) Member Institute of Electrical and Electronics Engineers (IEEE) Member	
PUBLICATIONS	M. Cova, V. Felmetzger, G. Banks, G. Vigna, "Static Detection of Vulnerabilities in x86 Executables", in <i>Proceedings of the 22nd Annual Computer Security Applications Conference (ACSAC)</i>, December 11–15, 2006, Miami, Florida, USA. G. Banks, M. Cova, V. Felmetzger, K. Almeroth, R. Kemmerer, G. Vigna, "SNOOZE: toward a Stateful NetwOrk prOtocol fuzZE", in <i>Proceedings of the 9th Information Security Conference</i>, August 30–September 2, 2006, Samos, Greece. P. Avesani, C. Hayes, M. Cova, "Language Games: Solving the Vocabulary Problem in Multi-Case-Base Reasoning", in <i>Proceedings of the 6th International Conference on Case-Based Reasoning (IC-CBR05)</i>, August 23–26, 2005, Chicago, USA. C. Hayes, P. Avesani, M. Cova, "Language Games: Learning Shared Concepts among Distributed Information Agents", in <i>Proceedings of the 1st IJCAI workshop on Multi-Agent Information Retrieval and Recommender Systems</i>, July 31, 2005, Edinburgh, Scotland.	

5. P. Avesani, M. Cova, C. Hayes, P. Massa, "Learning Contextualized Weblog Topics", in *Proceedings of the 2nd WWW workshop on the Weblogging Ecosystem: Aggregation, Analysis and Dynamics*, May 10, 2005, Chiba, Japan.
6. P. Avesani, M. Cova, "Shared Lexicon for Distributed Annotations on the Web", in *Proceedings of the 14th International World Wide Web Conference (WWW2005)*, May 10–14, 2005, Chiba, Japan.
7. P. Avesani, M. Cova, R. Tiella, A. Sharma, "A Service Oriented Architecture for Advertising Games (short paper)", in *Proceedings of the 2nd International Conference on Service Oriented Computing (ICSOC04)*.
8. M. Cova, "LinSTAT: An Intrusion Detection System for Linux", *Laurea Thesis*.