



Timothy Shimeall, Associate Professor: a biography

Title	Timothy Shimeall, Associate Professor: a biography
Item Type	Article
Authors	Shimeall, Timothy
URI	https://hdl.handle.net/10945/36448
Publisher	Monterey, California. Naval Postgraduate School
Date Issued	2013
Rights	This publication is a work of the U.S. Government as defined in Title 17, United States Code, Section 101. Copyright protection is not available for this work in the United States.
Download date	2026-04-15 00:55:03
Link to Item	https://hdl.handle.net/10945/36448

Downloaded from NPS Archive: Calhoun

INTERNET ARCHIVE
WayBackMachine

<http://cs.nps.navy.mil/people/faculty/shimeall/>

13 captures
17 Feb 97 - 14 Jun 07

JAN FEB MAY
◀ 17 ▶
1996 1997 1998

[Close](#)
[Help](#)



Timothy Shimeall, Associate Professor - Department of Computer Science

BIOGRAPHY:

Since September 1988, he has been an Assistant Professor at the Naval Postgraduate School in Monterey, CA. His research interests are in software testing, analysis of software behavior and improvement of software safety and computer security.

Degrees:

1981, B.S., Information and Computer Science, University of California, Irvine
1983, M.S., Information and Computer Science, University of California, Irvine
1989, Ph.D., Information and Computer Science, University of California, Irvine

Job Titles/Responsibilities:

Assistant Professor, Computer Science Dept., Naval Postgraduate School
tenure-track faculty member conducting research and teaching in computer science, principally in software engineering and computer security. Supervision of Master's and Ph.D. Thesis work by students and conduct of independent personal research in software safety, software testing and computer security.

PUBLICATIONS:

T. J. Shimeall, T. J. Kelly, "Examination of a Software Test Cost Model", Proc. of the 1994 Annual Reliability and Maintainability Symposium, Anaheim, CA, January 1994.

T. J. Shimeall, J. M. Bolchoz, R. Griffin, "Analytical Derivation of Software Failure Regions", Technical Report NPSCS-91-003, Computer Science Dept. Naval Postgraduate School, Monterey CA, 1991.

T. J. Shimeall, R. J. McGraw, J. A. Gill, "Software-Safety Analysis in Heterogeneous Multiprocessor Control Systems", Proc. of the 1991 Annual Reliability and Maintainability Symposium, Orlando, FL, January 1991.

S. S. Cha, N. G. Leveson, T. J. Shimeall, "Safety Verification of Ada Using Fault Tree Analysis", IEEE Computer, July 1991.

PROFESSIONAL ORGANIZATIONS:

- IEEE Computer Society
- IEEE Reliability Society

PROFESSIONAL INTEREST AREAS:

Software Testing: Analysis of the run-time behavior of software
Software Safety: Analysis of the life-critical behavior of control software
Computer Security: Analysis of the information-transfer behavior of security-critical software
Software Analysis: Synthesis of the above into more general theories of software behavior to improve analysis methods

CURRENT PROJECTS:

Efficient and Effective Information Firewalls
Analysis of Fault-based Behavior of Software
Automated Assistance for Software Safety Analysis

CAMPUS INFORMATION:

Office Location Spanagal 534B

Address

Naval Postgraduate School

Code CS/Sm

Monterey, CA 93940-5000

phone: (408) 656-2509

e-mail: shimeall@cs.nps.navy.mil

Courses Taught:

CS4112 - Distributed Operating Systems
CS4150 - Software Tools and Environments
CS4540 - Software Testing
(9 others on an occasional basis)
