

EDUCATION

Wei-Kuang Huang

368 Fairfield Rd. U-411M Storrs, CT, 06269 203-236-9922 (Voice)

mail: whuang@business.uconn.edu

Ph.D. in Computer Information System, Rutgers University, New Jersey, May, 1998

M.B.A. in Information Systems, Rutgers University, Graduate School of Management, New Jersey, May 1998

Novell CNE (Certified Novell Engineer), January 1993

M.S. in Management Information Systems, Boston University, School of Management, Massachusetts, August 1991

B.S. in Naval Architecture Engineering, National Taiwan University, Taiwan, June 1987

PUBLICATIONS

Ph.D. Dissertation, "Incorporating Security into Workflow Management Systems", May 1998.

Published papers

- Wen-Syan li, Selcuk Candan and Wei-Kuang Huang "Acceleration and Monitoring of Data Center-Hosted Distributed Database-driven Web Applications", to appear in Concurrent Engineering: Research and Applications Journal, June 2004.
- Wen-Syan Li and Wei-Kuang Huang "CachePortal: Technology for Accelerating Database-driven E-commerce Web Sites", in Proceedings of 27th Very Large Data Bases (VLDB) Conference, Rome, Italy, September 11-14, 2001.
- Wen-Syan Li and Wei-Kuang Huang "Web Acceleration for E-commerce Web Application", in the proceedings of the 10th World Wide Web conference (WWW10), Hong Kong, China May 2001.
- Wei-Kuang Huang "SecureFlow: A Secure Web-enabled Workflow Management System", in proceedings of 4th ACM workshop on Role-Based Access Control, 2001.
- Wei-Kuang Huang and Vijay Atluri "A Petri net Based Safety Analysis of Workflow Authorization Models", Journal of Computer Security 8(2000).
- Vijay Atluri, Elisa Bertino and Wei-Kuang Huang "A Semantic Based execution Model for Multilevel Secure Workflows", Journal of Computer Security 1999.
- Wei-Kuang Huang, Nabil Adam and Vijay Atluri "Modeling and Analysis of Workflows using Petri nets" Journal of Intelligent Information System, Special Issue on Workflow and Process Management, Volume 10, Number 2 1998
- Vijay Atluri and Wei-Kuang Huang "Enforcing Mandatory and Discretionary Security in Workflow Management Systems", 1997(5), pages 303-339, Journal of Computer Security.
- Vijay Atluri and Wei-Kuang Huang "SecureFlow: A Secure Web-enabled Workflow Management System", Fourth ACM workshop on Role-Based Access Control., 1999
- Vijay Atluri, Elisa Bertino and Wei-Kuang Hung "An Semantic Based Redesigning of Distributed Workflows", International Conference on Management of Data, India, 1998
- Vijay Atluri, Elisa Bertino and Wei-Kuang Huang "An Execution Model for Multilevel Secure Workflows", Proceedings of the 11th IFIP WG11.3 Working. Conference on Database Security, appeared in Database Security -status and Prospects, Volume XI , North-Holland, 1998.
- Vijay Atluri and Wei-Kuang Huang "Analyzing the Safety of Workflow Authorization Models," appeared in proceedings of IFIP'98 Database Security Conference.
- Vijay Atluri and Wei-Kuang Huang "An Authorization Model for Workflows", Proceedings of the fourth European Symposium on Research in Computer Security, Rome, Italy, September, 1996 and Lecture Notes in Computer Science, 1146, page 44- 64, Springer-Verlag, 1996.
- Vijay Atluri and Wei-Kuang Huang "An Extended Petri Net Model for Supporting Workflows in a Multilevel Secure Environment", Database Security, Volume X status and Prospects, pages 240-258, North-Holland, 1996.

Unpublished Technical papers

- "Recalling Four Digits Lets Your Personal Identification Globally Unique - An Uniform Personal Identification Encoding Scheme(UPIES)" Technical Report #42, Department of MS/CIS, Rutgers University, December, 1995.
- "EDI Security on Open Network Infrastructure: State of the Art Review Paper" Technical Report #18, Department of MS/CIS, Rutgers University, December, 1994.
- "A Uniform framework for Policy Specification, Conflict Identification and Resolution in Secure Workflow Systems"

Work Experience

- Associate professor in residence - Department of Operations and Information Management, tri-campus, University of Connecticut, September 2007 - present
- Assistant professor - Department of Operations and Information Management, University of Connecticut, September 1998 - 2007
- Uconn Student IT case competition Advisor 2008-present
- Security consultant - Hewlett Packard Labs, Palo Alto, CA, 1999 summer.
Network Security Consultant - the Center for Information Management, Integration, and Connectivity (CIMIC), Rutgers University, Newark, NJ, December 1997 - July 1998
- Research Associate - the Center for Information Management, Integration, and Connectivity (CIMIC),

System Analyst - Achoice Inc. Brooklyn, NY, September 1991 - August 1992.

Professional Activities

- Member of IEEE Computer Society since 1994.
- Listed in Who's Who in Asia in Science and Engineering, 1996.
- Member of IEEE Task force on Digital Libraries, 1996.
- Member of IFIP Database Security Work group, 1997.
- Iona Orbix (CORBA product) training, January 1997, New York.

Journal and Proceeding Referee

- Journal of Database management, 2007-2012
- Journal of Distributed and Parallel databases: An International Journal, special issue on security
- IFIP WG11.3 Conference on Database Security, 1999, Seattle.
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Presentations and Invited talks

Fourth ACM Workshop on Role-Based Access Control, Fairfax, VA, October
University of Colorado, Denver, CO, March 1998.

University of Pittsburgh, Department of Information Science, PA, February
Sarnoff Research Institute, Princeton, NJ,

IFIP Database Security Conference, Lake Tahoe, UT

Panasonic Research Lab, Princeton, NJ,

HP Research Lab, Palo Alto, CA

NEC research lab, Cupertino, CA