

CALL FOR PAPERS

Workshop on Secure Knowledge Management (SKM 2004)

September 23-24, 2004

<http://www.cse.buffalo.edu/caeiae/skm2004>

Marriott Buffalo-Niagara

Amherst, New York, USA

Workshop Theme:

Knowledge management is the methodology for systematically gathering, organizing, and disseminating information. It essentially consists of processes and tools to effectively capture and share data as well as use the knowledge of individuals within an organization. Knowledge Management Systems (KMS) promote sharing information among employees and should contain security features to prevent any unauthorized access. Security is becoming a major issue revolving around KMS. Security methods may include authentication or passwords, cryptography programs, intrusion detection systems or access control systems. Issues include insider threat (protecting from malicious insiders), infrastructure protection (securing against subversion attacks) and establishing correct policies and refinement and enforcement. Furthermore KMS content is much more sensitive than raw data stored in databases and issues of privacy also become important.

Since the attacks in 2001, many organizations, especially the US government, have increased their concern about KMS. With the advent of intranets and web-access, it is even more crucial to protect corporate knowledge as numerous individuals now have access to the assets of a corporation. Therefore, we need effective mechanisms for securing data, information, and knowledge as well as the applications. The proposed workshop in Secure Knowledge Management will help in raising the awareness of academics and practitioners in this critical area of research and develop important questions that need to be tackled by the research community.

Topics of Interest:

Topics of interest include, and are not limited to:

- ÷ Secure Languages (Secure Knowledge Query Manipulation Language, Security Assertion Markup Language, B2B Circles of Trust)
- ÷ Return of Investment on Secure Knowledge Systems
- ÷ Digital Rights Management (Digital Policy Management)
- ÷ Secure Content Management (Secure Content Management in Authorized Domains, Secure Content Delivery, Content Trust Index)
- ÷ Knowledge Management for National Security (Securing and Sharing What We Know: Privacy, Trust and Knowledge Management, Identity Security Guarantee, Building Trust and Security in the B2B Marketplace)
- ÷ Security and Privacy in Knowledge Management for Health Informatics
- ÷ Wireless security in the context of Knowledge Management

The workshop will have a best paper award as judged by the program committee.

Proceedings

All the papers will be compiled on a CD-ROM. Selected papers will be recommended for submission to a special section in a journal such as IEEE Transactions on SMC (tentative).

Organizing Committee

Shambhu Upadhyaya and H. Raghav Rao, Center of Excellence in Information Assurance Education
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Questions/enquires can be sent to either one of the organizing committee members.

Program Committee

- Sharmistha Bagchi-Sen : Geography, University at Buffalo, NY
- Chris Brown : CTG and Information Systems Security Assoc., Buffalo, NY
- Gary Byrd : University at Buffalo, NY
- Hsinchun Chen : University of Arizona, Tucson, AZ
- Steve Chapin : Syracuse University, Syracuse, NY
- Peter Chen : Louisiana State University, Baton Rouge, LA
- Jim Davis : Iowa State University, Ames, IA
- Gurpreet Dhillon : Virginia Commonwealth University, Richmond, VA
- Ronald Dodge : U.S. Military Academy, West Point, NY
- Manish Gupta : M&T Bank, Buffalo, NY
- Kevin Kwiat : Air Force Research Lab, Rome, NY
- David Ladd : Microsoft Research, Redmond, WA
- JinKyu Lee : School of Management, University at Buffalo, NY
- John McDermott : Naval Research Lab, Washington DC
- Robert McGraw : National Security Agency, Fort Meade, MD

- David Murray : School of Management, University at Buffalo, NY
- Guru Padmanabhan : GE Transportation, Erie, PA
- Brajendra Panda : University of Arkansas, Fayetteville, AR
- Dipak Pravin : Xerox Corporation, Rochester, NY
- Indrajit Ray : Colorado State University, Fort Collins, CO
- Shriram Revankar : Xerox Research, Webster, NY
- Raghu Santanam : Arizona State University, Tempe, AZ
- Raj Sharman : Management Science and Systems, University at Buffalo, NY
- Olivia Sheng : University of Utah, Salt Lake City, UT
- Mukesh Singhal : University of Kentucky, Lexington, KY
- Savita Srinivasan : IBM, Almaden, CA
- Bhavani Thuraisingham : National Science Foundation, Arlington, VA
- Peter Winkelstein : School of Medicine, University at Buffalo, NY
- Joseph Woelfel : School of Informatics, University at Buffalo, NY

Submission

Authors are requested to submit extended summaries not exceeding 2 pages, including five to ten key words, and contact address. Any figures, tables and bibliography must be contained within the 2 pages. The accepted final papers should be formatted in two-columns not exceeding 6 pages. The summaries should be sent electronically to skm-2004@cse.buffalo.edu

Dates

Summaries: Extended to July 8, 2004 (two pages, single-spaced)
 Submit the title and 5 keywords by June 30th
 Author Notification: July 25, 2004
 Final Papers: August 25, 2004 (6 pages)
 Workshop: September 23-24, 2004