

Keynote Speaker

Dr. Vijay Atluri Short Bio

Dr. Vijay Atluri received her B.Tech. in Electronics and Communications Engineering from Jawaharlal Nehru Technological University, Kakinada, India, M.Tech. in Electronics and Communications Engineering from Indian Institute of Technology, Kharagpur, India, and Ph. D. in Information Technology from George Mason University, USA. She is currently a Professor of Computer Information Systems in the MSIS Department, and research director for the Center for Information Management, Integration and Connectivity (CIMIC) at Rutgers University.

Dr. Atluri's research interests include Information Systems Security, Databases, Workflow Management, Spatial Databases, Multimedia and Distributed Systems. She has published over 90 technical papers in the refereed journals and conference proceedings in these areas and is the co-author of the book, *Multilevel Secure Transaction Processing*, Kluwer Academic Publishers (1999). Currently, she serves as a member of the Steering Committee for ACM Special Interest Group on Security Audit and Control (SIGSAC) and for the ACM Symposium on Access Control Models and Architectures (SACMAT), general chair for the 2005 ACM Conference on Computer and Communications Security (CCS), and co-general chair for the 2005 International Conference on Web Information Systems Engineering. She served as general chair for 2004 CCS, and program chair for the 2003 CCS, 2000 ACM Workshop on Role Based Access Control, as program co-chair for the 1999 IFIP WG11.3 Working Conference on Database Security, and on the program committees of a number of conferences and workshops. She has recently been elected as the secretary/treasurer for the ACM SIGSAC. In 1996, she was a recipient of the National Science Foundation CAREER Award to investigate issues related to incorporating multilevel security into database management systems for advanced application domains such as office information systems, CAD/CAM, workflow systems. In 1999, she received the Rutgers University Research Award for untenured faculty for outstanding research contributions. Dr. Atluri is a member of the IEEE Computer Society, the ACM, and IFIP WG11.3.

Prof. Günther Pernul Short Bio

Günther Pernul received both the diploma degree in 1985 and the doctorate degree (with honours) in 1989 from the University of Vienna, Austria. Currently he is full professor at the Department of Information Systems at the University of Regensburg, Germany. Prior to that he held a similar position with the University of Essen, Germany, and a research assistant position with the Department of Applied Computer Sciences at the University of Vienna, Austria. During 1990 and 1991 he was post doctoral scholar at the Database Systems Research and Development Centre at the University of Florida, Gainesville FL, as well as at the College of Computing at the Georgia Institute of Technology, Atlanta, GA. He also worked as a consultant for Database- and Information Systems for Wang Austria and the United Nations Organisation in Vienna. His research interests are web-based information systems, new media, information systems security, advanced database applications, and applied cryptography.

Günther Pernul is co-author of a database text book, has edited or co-edited eight books, published more than 100 papers in scientific journals and conference proceedings on various information systems topics and has participated in European funded research under ESPRIT, ACTS and IST frameworks. He is a member of the Association for Computing Machinery (ACM), the Association of Information Systems (AIS), the IEEE Computer Society, the German Gesellschaft für Informatik (GI), the Austrian Computer Society (OCG), member of the IFIP WG 11.3 (Database Security) and observer of the IFIP WG 11.8 (Security Education). He serves on the steering board of the Communications and Multimedia Security conference series and is founding editor of the conference series Electronic Commerce and Web Technologies (EC-Web, since 2000) and Trust and Privacy in Digital Business (Trustbus, since 2004). Prof. Ravi Sandhu

Dr. Ravi Sandhu earned B.Tech. and M.Tech. degrees from IIT Bombay and Delhi respectively, and M.S. and Ph.D. degrees from Rutgers University. He is a Fellow of ACM and IEEE, and recipient of the IEEE Computer Society Technical Achievement Award. His research has focused on information security, privacy and trust, with special emphasis on models, protocols and mechanisms. His doctoral work on safety and expressive power of access control was further developed by him culminating in the Typed Access Matrix in 1992. In collaboration with Prof. Jajodia, he analyzed and reconciled confidentiality and integrity in multilevel secure databases. In 1993 he showed that Chinese Wall separation of duty policies were instances of information flow. In 1996, along with industry colleagues, he published the seminal paper on role-based access control which evolved into the 2004 NIST/ANSI standard RBAC model. In 2002, with his student Jaehong Park, he introduced the Usage Control model for next-generation access. Other recent activities include Information Sharing models and implementations using Trusted Computing, and the PEI (policy, enforcement and implementation) layered models method for synthesizing secure systems. Ravi has published over 160 technical papers on information security, has received over 30 research grants, has graduated 12 PhD's and is an inventor on 8 US patents so far.

Ravi is the founding editor of the Synergy Lecture Series on Information Security, Privacy and Trust. Earlier, he was the founding editor-in-chief of the ACM Transactions on Information and Systems Security (TISSEC), from 1997 to 2004. He was Chairman of ACM SIGSAC from 1995 to 2003, and founded and led the ACM Conference on Computer and Communications Security and the ACM Symposium on Access Control Models and Technologies to high reputation and

prestige. He served as the security editor for IEEE Internet Computing from 1998 to 2004. In 2000 Ravi Sandhu co-founded the company now known as TriCipher and continues to serve as its Chief Scientist. He was the principal security architect of the TriCipher Armored Credential System. Ravi was also the principal architect of the M.S. and Ph.D. programs in Information Security and Assurance at George Mason University.