SPEAKERS

Professor Hany H Ammar, PhD

Dr. Ammar is Professor of Computer Engineering in the Lane Department of Computer Science and Electrical Engineering at West Virginia University. He has published over 150 articles in international journals and conference proceedings. Dr. Ammar is currently the editor-in-chief of the Communications of the Arab Computer Society On-Line Magazine, and he previously served as the Editor in Chief of the Journal of Computer Science and Engineering, in Arabic. He co-authored a book entitled *Pattern-Oriented Analysis and Design: Composing Patterns to Design Software Systems* published by Addison-Wesley, and a book entitled *Software Engineering: Technical, Organizational and Economic Aspects*, an Arabic Textbook. He co-edited the *Proceedings of the Second International Conference on Computer Science Practice in Arabic*, and the *Proceedings of the Sixth and Eighth International Computing Conference in Arabic*.

Dr. Ammar was awarded a Fulbright Specialist Scholar Award in Information Technology funded by the US State Department - Bureau of Education and Cultural Affairs. He has been a Principal Investigator on a number of research projects funded by Qatar National Research Fund (QNRF), the US National Aeronautics and Space Administration (NASA), the US National Science Foundation (NSF), and the US National Institute of Justice (NIJ). He has served on the organizing and program committees of many international conferences and workshops. Dr. Ammar has been teaching in the areas of Software Engineering and Computer Architecture since 1987. His research interests are in the areas of Software Risk Assessment, Software Architecture and Design, and Identification Technologies.

Professor Brian D. Woerner, PhD

Brian D. Woerner is a Professor and Department Chair in the Lane Department of Computer Science & Electrical Engineering at West Virginia University, a position he has held since 2004. From 1991 through 2004, he was a faculty member in the Bradley Department of Computer & Electrical Engineering at Virginia Tech, where he taught and conducted research in the field of wireless communications with the Mobile & Portable Radio Research Group (MPRG). He received his B.S. in Computer & Electrical Engineering from Purdue University in 1986, his M.S. in Electrical Engineering Systems from the University of Michigan in 1987, and his Ph.D. in Electrical Engineering Systems from the University of Michigan in 1991. He is a Senior Member of IEEE. He has served as Associate Editor for the *IEEE Transactions on Communications*, and *IEEE Transactions on Vehicular Technology*, and as a Guest Editor for the *IEEE Journal on Selected Areas in Communication*.

Dr. Woerner's research has focused on signal processing and receiver design techniques to improve the reliability and throughput of wireless communications systems. His contributions have included work on how the coding and spreading operations can be efficiently combined within a spread-spectrum communication networks; development of practical techniques for implementation of interference cancellation within CDMA systems resulting in increased capacity; use of iterative decoding techniques to improve the reliability of high throughput wireless communication links; and efficient adaptive antenna techniques to improve the reliability and throughput of mobile communication nodes in urban and UAV environments. A number of these efforts have been supported by NSF and DARPA. His current interests are in the field of wireless sensor networks and secure mobile networks.

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WVU offers degrees in Computer Science at the Bachelor's, Master's, and Doctoral levels, as well as a highly ranked online degree program in Software Engineering and a certificate program in Computer Forensics. WVU is designated by the U.S. National Security Agency and Department of Homeland Security as a Center of Excellence in Information Assurance Research and Information Assurance Education. WVU is the founding site of the Center for Identification Technology Research (CITeR), a National Science Foundation Industry/University Cooperative Research Center focused on biometric identification and authentication technology.

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West Virginia University

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