Abstract
Missouri S&T’s Smart Living signature area seamlessly improves quality of life by transforming home, workplace, transportation and energy infrastructures into “smart” environments. Smart Living increases our understanding of how people and technology interact by combining sensing with physical action, social behavior analysis, data analytics, engineering, technology, communication and decision-making into a single, integrated concept. This talk will describe Missouri S&T’s smart living vision and our current progress.

Brief Bio
McMillin leads Missouri S&T’s Center for Information Assurance and is a senior research investigator in the Intelligent Systems Center at S&T. His research focuses on formal methods for fault tolerance and security in distributed embedded systems with an eye towards critical infrastructure protection, most recently focusing on security and dependability of the advanced electric power grid control (smart grid). His research has been supported by the NSF, AFOSR, DOE, and several Missouri industries. McMillin has authored over 100 referred papers in international conferences and journals. He is leading the distributed grid intelligence project of the NSF Future Renewables Engineering Research Center. He is a senior member of IEEE and a member and contributor to the SGIP Smart Grid Interoperability Panel and the NIST Public Working Group in Cyber Security for Cyber-Physical Systems. He currently serves on the IEEE Computer Society’s Board of Governors and as an associate editor for the IEEE Transactions on Dependable and Secure Computing.