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Gaoxi Xiao received his BSc and MPhil degrees in Applied Mathematics and his PhD degree in Computing. He was a Research Fellow at Polytechnic University, Brooklyn, NY in 1999 and a Visiting Research Scientist in University of Texas at Dallas in 2000-01. He joined the Division of Communication Engineering, School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, in 2001, where he is now an Associate Professor. He has published more than 90 papers in refereed journals and international conferences. He is currently the Director of Security Research Program in Infinitus, Research Center of Excellence on Infocom in the School of EEE, and serving as the founding Editor-in-Chief of ICST Transactions on Complex Systems. In the last three years, he served as the founding General Co-Chair of ICST Complex'2009 and the Guest Editor of topical session on "Complex Networks" in Advances in Complex Systems (ACS). Dr. Xiao is a member of IEEE.

Research Interests

My research interests in complex network areas mainly focus on complex networks. Specifically, I am particularly interested in achieving better understanding of how ideas/diseases/viruses may propagate in various complex systems, especially where (i) the systems can dynamically adapt themselves when in face of changes/threats; (ii) there are multiple interacting agents spreading in the systems; and (iii) there are multiple interconnected dynamic systems. I am also interested in modeling real-life human interactions in regular day-to-day life and human reactions when in face of threats and risks (e.g., infectious diseases and smart phone virus). Other research interests include next-generation data center networks, wireless sensor networks and security of cloud computing, etc.