Cybersecurity and Social Engineering: Growing Threats

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Presentation Abstract

Cybersecurity threats and data breaches have been on the rise, threatening some of the world largest companies. It is estimated that cyber crime incidents cost the global economy about $500 billion every year. These threats also impact university procedures and online courses. Often overlooked, most cybersecurity strategies involve the people using technology rather than the technology itself. Moreover, while technologies that reduce or block cyber attacks have drastically improved over the past several decades, the 'human factor in cybersecurity' has been identified as the single most significant cause of cyber breaches. This talk will address the current impact of cyber threats, the evolving shape of modern cybercrime, safety techniques, social engineering, cyber-ethics, along with some innovative ongoing work conducted under the leadership of the presenter in his Levy CyLab: http://CyLab.nova.edu/.

Speaker Biography

Dr. Yair Levy is a Professor of Information Systems and Cybersecurity at the College of Engineering and Computing (CEC), the director of the Center for e-Learning Security Research (CeLSR), and chair of the M.S. and Ph.D. programs in Information Assurance and Cybersecurity, DHS/NSA certified programs as part of NSU's designation of National Center of Academic Excellence in Information Assurance/Cyber Defense. Dr. Levy has authored over 70 articles, three book chapters, one book, and his publications have been cited over 1,300 times by other scholarly research. Dr. Levy has been an active member of the US Secret Service's Miami Electronic Crimes Task Force and the South Florida Cybercrime Working Group. He was trained by the Federal Bureau of Investigation (FBI) on various topics, actively serves as a member of the FBI/InfraGard, and serves on the National Joint Task Force on Cybersecurity Education, as well as other national initiatives related to cybersecurity workforce, education, and research. He is frequently invited as a Subject Matter Expert (SME) on cybersecurity topics, providing keynote talks at national and international meetings, as well as regular media interviews both in print and TV. Find out more about Dr. Levy and his research lab via: http://cec.nova.edu/~levyy/.