THE FUTURE OF DIGITAL MONEY LAUNDERING

AJ Drexel Cybersecurity Institute Symposium
Distinguished Speaker Presentation — Dr. Hal Berghel

This talk investigates several types of digital money laundering, characterized by source (failed states, state-aware, keptocratic states, terrorists, extremists and individuals), means (credit- and debit-card exploits, international funds transfers, klepto-banks, "gift-card" exploits), and purpose (terrorism, narco-trafficking, electronic crime, internet fraud); these categories are introduced by their identifying events of interest. Implications on shadow economies, degrees of sophistication and case studies will also be discussed. Each crime will be explicitly linked geographically and politically to sources, and may include discussion of actual cases. Several micro- and macro-level mitigation strategies will be discussed.

TUESDAY,

MARCH 31, 2015

12:00 – 1:00 PM

PAUL PECK ALUMNI CENTER
3142 Market Street
Philadelphia, PA

Hal Berghel is currently a professor of computer science at the University of Nevada, Las Vegas where he previously served as director of both the School of Computer Science and Informatics, and as associate dean of the College of Engineering. He created and directed the first cybersecurity degree programs (bachelor's, master's and PhD) in Nevada in 2005; this program became an NSA Center for Academic Excellence two years later. He was the founding director of the Identity Theft and Financial Fraud Research and Operations Center and CyberSecurity Research Center. His research interests are wide-ranging within the binary and digital ecosystem, ranging from logic programming and expert systems, relational database design, algorithms for non-resolution based inferencing, approximate string matching, digital watermarking and steganography, and digital security and privacy. Since the mid-1990's he has applied his work in digital security to law enforcement and intelligence gathering, particularly with respect to digital crime, digital money laundering, information warfare and trusted identities. His research has been supported by both industry and government for over thirty years. His most recent work in secure credentialing technology was funded by the Department of Justice. In addition to his academic positions, Berghel is also a popular columnist, author, frequent, talk show guest, inventor and keynote speaker. For nearly fifteen years, he wrote the popular "Digital Village" column for the *Communications of the ACM*, and has written the "Out-of-Band" column for *IEEE* Computer since 2011.

Berghel is a fellow of both the Institute for Electrical and Electronics Engineers and the Association for Computing Machinery, and serves on both societies as a distinguished visitor and distinguished lecturer, respectively. He has received the ACM Outstanding Lecturer of the Year Award four times and was recognized for Lifetime Achievement in 2004. He has also received both the ACM Outstanding Contribution and Distinguished Service awards. He is also the founder and owner of Berghel.Net, a consultancy serving government, business and industry. Berghel is a member of the Nevada Technology Crimes Advisory Board and chairs the Nevada Privacy Subcommittee.

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