

Department of Electrical and Computer Engineering

Title: «**Cyber security and CIP - challenges and solutions**»

Prof. Michal Choras and Dr. Rafal Kozik

University of Science and Technology in Bydgoszcz (UTP) Poland

Tuesday, 17th January 2017, 18:00–19:00

Room XOD02 – B111, New Campus – University of Cyprus

Abstract:

In this presentation, the current situation and challenges related to cyber security of Critical Infrastructures (CI) are discussed. The presented study shows that cyber-related threats should be concerned as an important factor incorporated into strategic analysis of infrastructure disruptions, consequences evaluation, and assessment of systems dependencies. During the talk, selected innovative cyber security solutions and approaches will be presented.

Biographies:

Professor Michał Choraś obtained his Doctor of Science (habilitation) degree in computer science from AGH Cracow in 2014, and since 2015 he holds the professor position at the University of Science and Technology (UTP) in Bydgoszcz. Earlier, he obtained MSc and PhD in telecommunications from UTP in Bydgoszcz in 2002 and 2005, respectively. His interests, information management and pattern recognition in several domains, such as image processing, security (network security, urban security, biometrics) and safety (crisis management, critical infrastructures). He has been involved in EU FP7 projects (e.g. INTERSECTION, INSPIRE, TACTICS) and EDA projects (e.g. ATHENA). He coordinated FP7 project CAMINO on cyber crime and cyber terrorism and is the principal investigator of the FP7 project CIPRNet at UTP. He is an author of over 160 reviewed scientific publications.

Rafal Kozik, Ph.D. Eng. is an assistant professor in the Department of Telecommunication of University of Technology and Life Sciences in Bydgoszcz (UTP). In 2013 he received his Ph.D. in telecommunications from University of Science and Technology (UTP) in Bydgoszcz. Since 2009 he has been involved in number of international and national research projects related to cyber security, critical infrastructures protection, software quality, and data privacy (e.g. FP7 INTERSECTION, FP7 INSPIRE, FP7 CAMINO, FP7 CIPRNet, SOPAS, SECOR, H2020 Q-Rapids). His current research focuses on a cyber security, crisis management, critical infrastructure protection, and artificial intelligence for computer vision solutions. He is an author of over 90 reviewed scientific publications, including a number of publications concerning cyber security.