The Department of Automatic Control & Systems Engineering
is pleased to announce the following seminar:

Artificial Intelligence for Military Intelligent Systems and Network Problems

Dr Robert Ulman
U.S. Army Research Office (ARO)
Network Science and Intelligence Systems Programme

Wednesday, 21 November 2018 at 13:00
Sir Henry Stephenson Building, LT02

Hosted by: *Professor Lyudmila Mihaylova, ACSE*

Abstract

The US Army Research Office recently created new basic research programs outside of the United States. Although the Army has had broad programs reaching out to relevant basic and applied research, these new programs target specific research and technology areas. This seminar will describe the Army research program in general and the specific interests of the Network Science and Intelligent Systems program. Intelligent systems research deals with the broad areas of Artificial Intelligence and Machine Learning and specifically their application to military problems. Research of interest in the emerging network science field includes communications, information, and social networks as well as the underlying mathematical analysis. Although not focus areas, cyber security and signal processing are also of interest. Opportunities for collaboration with researchers at Army Labs as well as funding opportunities will be described.

Biography

Dr. Robert Ulman runs the U.S. Army Research Office (ARO) Network Science and Intelligence Systems Program. In this role, Dr. Ulman is formulating a new basic research program including artificial intelligence, machine learning, and network science that encompasses European, African, Israel, and Middle Eastern countries. This entails identification and assessment of basic research that is applicable to Army, funding this research, facilitating collaborations with Army scientists, and transitions.

Previously, Dr. Ulman was the program manager for the Wireless Communications and Networks program at ARO, primarily funding U.S. universities. At ARO, he built a research program in wireless communications networking, concentrating on research that is applicable to the tactical mobile battlefield. Dr. Ulman received his BS in electrical engineering from Virginia Tech in 1984, his MS from The Ohio State University in 1986, his PhD from University of Maryland in 1998.