**Keynote talk 3**
**Prof. Imad Elhajj**



**Title:** AI Serving Robots, Security, and Health

**Abstract:** With the rise in popularity of AI, what are the broader areas of application of these techniques? In this presentation we will present our work on the use of AI in the domains of robotics, cyber security and health. In the field of robotics, we will show the benefits of machine learning in building improved personalized human-machine interfaces for teleoperation. In the area of cyber security, we will present our developed methods for real-time traffic classification and anomaly detection. In the health domain, we will highlight several applications of machine learning in the field of vascular medicine. In addition, we will discuss the general potential and limitation of AI.

**Biography:**
Imad H. Elhajj received his Bachelor of Engineering in Computer and Communications Engineering, with distinction, from the American University of Beirut in 1997 and the M.S. and Ph.D. degrees in Electrical Engineering from Michigan State University in 1999 and 2002, respectively. He is currently a Professor with the Department of Electrical and Computer Engineering at the American University of Beirut. In 2014, he co-founded, SAUGO 360 the first startup to be incubated at AUB. Dr. Elhajj is the past chair of IEEE Lebanon Section, senior member of IEEE and senior member of ACM. He is an ABET program evaluator. His research interests include instrumentation and robotics, cyber security, sensor and computer networks, and multimedia networking. Imad received the Best Research Paper Award at the Third International Conference on Cognitive and Behavioral Psychology (CBP), the Best Paper award at the IEEE Electro Information Technology Conference in June 2003, and the Best Paper Award at the International Conference on Information Society in the 21st Century in November 2000. Dr. Elhajj is recipient of the Teaching Excellence Award at the American University of Beirut, June 2011, and the Kamal Salibi Academic Freedom Award, 2014.