Speaker: Tony Brown, EASAT

Title: Challenges for Maritime Border Surveillance Radar

Abstract:
A summary of the challenges facing maritime border surveillance radar will be provided. It is aimed particularly at radar used by non-military organisations such as coastguards and border police authorities. The presentation will include some of the impacts of complex environments caused by offshore wind farms and z summary of some future research challenges will also be noted.

Bio:
Professor Tony Brown is Chief Technical Director of Easat Radar Systems and holds the Chair in Communication Engineering at the University of Manchester, UK (part time). He was Head of the School of Electrical and Electronic Engineering at the University until 2015. He has been involved in the area of radar, antennas and propagation for over 35 years and has more than 120 publications in the area. Prior to academia, Brown had a long industrial career with major UK companies before forming Easat. The company has supplied radar systems and antennas worldwide for maritime and air traffic surveillance applications since 1987.

At the University of Manchester, his research covers antennas and propagation as applied to radar, wireless communications and radio astronomy instrumentation. He is a recognized expert in the impact of wind farms on radar, was a member of the US government FCC Technical Advisory Commission, was the UK representative for the COST ASSIST action and served on the EUROCAE WG41 standards group. Brown will co-chair the European Conference on Antennas and Propagation (EUCAP) when it returns to the UK in 2018 and is a past chairman of EuRAD.