

IRC Showcase Programme

IRC 2013

<u>Time</u>	<u>Project</u>	<u>Lead Organisation</u>
10:00	Introduction	TBC
10:10	Ultra Sensitive Explosives Detection Based on Nanotechnology Molecular Tagging	Ancon Technologies Ltd
10:20	Realistic gate control demonstrator for VBIED detection	Cascade Technologies
10:30	Dual Mode Threat Detection System	Digital Barriers
10:40	Novel passive samplers for semi-targeted explosive vapour screening	King's College University of London
10:50	Detecting explosives and weapons via high-throughput multi-modal x-ray imaging	University College London
11:00	Novel multimode metal oxide sensors for detection of explosives (MOSDEX)	University of the West of England, Bristol
11:10-11:20	Break	

IRC 2016

<u>Time</u>	<u>Project</u>	<u>Lead Organisation</u>
11:20	Introduction	TBC
11:30	Threat detection using a Miniaturised Magnetic Camera (MiniMAC)	Advanced Hall Sensors Ltd
11:34	A Highly Sensitive Explosive Detector With Dual Sampling Flow Functionality	Ancon Technologies Ltd
11:38	Subsurface geoelectrical imaging for enhanced characterisation of concealed threats	British Geological Survey
11:42	Ultrasensitive explosive detector using PAS & OPO	Fraunhofer UK Research Ltd
11:46	High speed, ultra-sensitive sniffer using photo-thermal interferometry	Fraunhofer UK Research Ltd
11:50	Acoustically enhanced threat detection techniques for people & bag screening	Iconal Technology Ltd
11:54	New X-ray architectures for bag screening in high throughput applications	Iconal Technology Ltd



11:58	Sub-THz detection of hidden objects and IED	Lancaster University
12:02	Mobile QTOF trace detector with Low Temperature Plasma Ion Source	Mass Spec Analytical Ltd
12:06	Ultra Wideband Radar Detection of Improvised Explosive Devices	Rapiscan Systems Ltd
12:10– 12:20	Break	
12:20	Assessing Microwave Absorption Spectroscopy for Suicide Terrorist Detection	RHT SpectraSafe, Inc.
12:24	Spectral terahertz camera for alerts of explosives	Royal Holloway and Bedford New College
12:28	Combine millimetre-wave Imaging and Pulse Induction detection of threats	Security Screening Technologies Ltd & Water Windows Ltd
12:32	Nano-photonics based sensor technology for airborne explosives and toxins	SensorHut Ltd
12:36	Gun barrel detection using differential X-ray transmission	University College London
12:40	New Zeff/SCATTEff from 8-dimensional data acquired in a single scan	University College London
12:44	Detection of concealed weapons and explosives using chip-based radar.	University of St Andrews
12:48	"Swab-spray" for the enhanced detection of explosives	University of Surrey
12:52	Microhotplate array for cataluminescence detection of explosives (MACDEX)	University of the West of England, Bristol
12:56	Portable field calibration device based on handheld micro nebuliser technology	University of the West of England, Bristol