# Security & Defence SIG

## "The New Surveillance: To what extent should personal privacy be compromised for public security and corporate gain?"

10th April 2014

This event is kindly hosted by        Lunch is sponsored by

**OLSWANG**        **IET** The Institution of Engineering and Technology

*The Security and Defence SIG is championed by **Guy Kenyon** of **Kenyon Consulting, David Chater-Lea** of **Motorola Solutions, Nicholas Hill** of **Plextek, Tim Phipps** of **Cambridge Consultants** and **Rob Quarton of Airwave***

*Supported by **Anthony Waller** of **Legal SIG***

### Venue – Olswang LLP, 90 High Holborn, City of London, Greater London WC1V 6XX

## AGENDA

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| **13:00** | **Registration over Lunch** |
| **14:00** | Introduction to the Cambridge Wireless Security and Defence SIG from **Tim Phipps** of **Cambridge Consultants** |
| **14:10** | Welcome from Lunch Sponsor, **Hugh Boyes**, Cyber Security Lead of **The IET** |
| **14:15** | Welcome from supporter and host, **Anthony Waller,** Partner of **Olswang LLP and Legal SIG Champion** |
| **14:25** | Session chaired by Nicholas Hill of Plextek<br>**'When Human Resources plays Big Brother - Rights and Wrongs in employee surveillance'**<br>**Catherine Taylor**, Partner – Employment Group, **Olswang LLP**<br><br>From an HR perspectives, employers want to ensure that if the worst happens, and there is an insider breach, they have taken all the steps they can to prevent that breach. What steps can an employer take in terms of vetting and monitoring? What is the downside if the employer is overly intrusive? |
| **14:45** | Q&A |
| **14:50** | Session chaired by David Chater-Lea of Motorola<br>**'We are following your every move – the risks and benefits of data usage in automotive telematics'**<br>**Colin Smithers**, CEO, **Redtail Telematics**<br><br>Automotive telematics is used by fleet managers to optimise fleet efficiency and driver behaviour. Usage based insurance is using driver data to optimise risk assessment and further to control risk. This presentation discusses the tension between data and privacy that corporate and individual drivers are giving up to achieve gains in corporate efficiency and in safety, both of the driver and for the wider public. |
| **15:10** | Q&A |
| **15:15** | **Refreshment Break & Networking** |
| **15:45** | Session chaired by Guy Kenyon of Kenyon Consulting<br>**'Data protection, privacy and security – Can we have all three at the same time?'**<br>**Simon Rice**, Principal Policy Adviser (Technology), **Information Commissioner's Office**<br><br>The internet revolution has given rise to a huge number of innovative new services. Driven further by the data collection and processing capabilities of smart phones and other portable devices where does this leave data protection and privacy for the user? With such a large volume of data being collected and transmitted to third-parties how can we make sure this is done securely and in line with the choices of the user? And with one eye on the future, will the big promises from the "Internet of Things" and wearable devices help or hinder? |
| **16:05** | Q&A |

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| | **Session chaired by Rob Quarton of Airwave** |
| **16:10** | **'The Ethics of Surveillance'** |
| | **Chris Rampton,** Capability Adviser - Surveillance, **CAST** |
| | Chris will talk about the controls the UK has in place to regulate the police use of surveillance powers and some of the implications this has for surveillance technologies. |
| **16:30** | Q&A |
| **16:35** | **Open Forum with all speakers**, chaired by **Tim Phipps** of **Cambridge Consultants** |
| **17:10** | **Event Closes and Fill in Evaluation Forms** |

*With the permission of the speakers, presentations will be loaded to the Cambridge Wireless website on the day following the event*

## Profile of Organisers

### About Cambridge Wireless (CW)

CW is the leading international community for companies involved in the research, development and application of wireless & mobile, internet, semiconductor and software technologies. With 400 members from major network operators and device manufacturers to innovative start-ups and universities, CW stimulates debate and collaboration, harnesses and shares knowledge, and helps to build connections between academia and industry.

CW's 20 Special Interest Groups (SIGs) provide its members with a dynamic forum where they can network with their peers, track the latest technology trends and business developments and position their organisations in key market sectors. CW also organises the annual Future of Wireless International Conference and Discovering Start-ups competition along with other high-quality industry networking events and dinners. With headquarters at the heart of Cambridge, UK, CW partners with other international industry clusters and organisations to extend its reach and remain at the forefront of global developments and business opportunities. For more information, please visit www.**cambridgewireless**.co.uk

## Profile of Lunch Sponsor

### The IET

The IET is one of the world's leading professional societies for the engineering and technology community, with more than 150,000 members in 127 countries and offices in Europe, North America and Asia-Pacific. The IET provides a global knowledge network to facilitate the exchange of ideas and promote the positive role of science, engineering and technology in the world. For more information, please visit www.**theiet**.org

### Hugh Boyes, The IET

Hugh Boyes is the Cyber Security Lead at the Institution of Engineering and Technology (IET), where he focuses on developing cyber security skills initiatives for engineering and technology communities. This work is particularly focussed on the design and operation of cyber-physical systems, e.g. industrial control systems, building automation systems, etc. As part of this work Hugh works with the Trustworthy Software Initiative, particularly on aspects relating to education and awareness aspects. Hugh has written a technical briefing document for the IET and CPNI on resilience and cyber security of technology in the built environment. He is currently writing a follow on document which will provide a code of practice for cyber security in the built environment. Hugh is a Visiting Fellow at WMG, University of Warwick, where he focuses on cyber resilience and the cyber security of control systems. Prior to working for the IET, his career as a project and programme manager encompassed a number of public and private sector roles, including the planning and procurement of buildings to accommodate complex technical operations. He is a Chartered Engineer, a Fellow of the IET and holds the CISSP credential issued by (ISC)2.

## Profile of SIG Champions

### David Chater-Lea, Motorola Solutions

David is a senior technologist working for Motorola in the areas of advanced system architecture and design. He is a specialist in wireless communication system security, a founder member of the TETRA Association Security and Fraud Prevention Group and has been working in the ETSI TETRA standardisation activities since 1994. He is currently chairman of ETSI TETRA WG4, looking at advanced air interfaces, and an active member of TETRA WG6 and TETRA Association SFPG. During a career which includes over 20 years at Motorola, he has worked on a variety of mobile radio products and systems designs, and is one of the original architects of Motorola's TETRA compliant digital communications system, Dimetra. David holds a BSc in Electronic and Electrical Engineering from

the University of Birmingham, England, and is a Chartered Engineer and a Fellow of the IET. He holds a number of patents in the field of radio communications systems. For more information please visit: www.**motorolasolutions**.com

### Nicholas Hill, Plextek

Nicholas is Director, Defence and Security at Plextek Consulting, responsible for new business development and also capability and skills development within the sector. His role covers a range of defence and security technology areas, including: acoustics and sonar, avionics, image and signal processing, radar systems, radio communications, electronic sensing and countermeasures, and surveillance technologies. Previous to Plextek, Nick's work in the defence sector has included systems engineering for unmanned underwater vehicles and submarine wireless communications systems. Outside of the defence and security space, Nick has worked as a hardware designer, embedded software designer, systems engineer and company director for a range of companies and on a diverse range of applications including automotive, healthcare, scientific instrumentation and telemetry systems. He graduated from Liverpool University in 1982, is as a member of the Institution of Engineering and Technology. For more information please visit: www.**plextek**.com/defence

### Guy Kenyon, Kenyon Consulting

Guy Kenyon is an independent consultant specialising in secure fixed and mobile communications for those user communities who must have secure, resilient and reliable communications at all times. This includes the emergency services, government and national security organisations and their suppliers. Until early 2011, Guy worked for Northrop Grumman Information Systems, a large US based defence and government IT contractor. His work with the company included a seven year attachment to Airwave Solutions where, as a Systems Engineer, he focussed on the design and implementation of the nationwide secure TETRA communications system. In 2007, Guy implemented a TD-CDMA broadband wireless trial in Lewes with support by NPIA and Sussex Police – based upon a system fielded in New York City. In addition to next generation wireless, Guy's activities include secure networks, cyber security/information assurance and the development of secure shared services for UK government. For more information please email: guykenyon@talktalk.net

### Tim Phipps, Cambridge Consultants

Tim Phipps works in the wireless business unit of Cambridge Consultants in a business development role. His expertise is in mobile & telecoms technology; and in the defence & security market. Tim has a long track record of working on leading edge wireless technology developments. He has built new business of strategic importance for manufacturers of wireless security equipment, mobile handsets and wireless communications ICs. Over his career he's worked to introduce innovative new technologies at the earliest stage of their market development such as mobile phone operating systems, EDGE, GSM, Bluetooth and WiFi. For more information please visit: www.**cambridgeconsultants**.com

### Rob Quarton, Airwave

Airwave designed, built and operates the largest public safety radio communications network in the world, delivering critical voice and data communications to organisations that provide vital public services. This includes the police, fire and ambulance services as well as local authorities, utilities and transport providers. For more information please visit: www.**airwavesolutions**.co.uk

## Profile of Speakers

### Chris Rampton, CAST Home Office

Chris joined the Home Office in 1987 and has spent his career supporting the police and other stakeholders in making effective use of science and technology. He has worked in a number of different technical areas over this time including optics, software, operational support to major events, geographic information systems, surveillance technologies and radio communication systems. Chris is currently the Surveillance Capability Adviser within the Home Office Centre for Applied Science and Technology. His role is to provide advice to Police and Home Office policy colleagues and within CAST to provide strategic direction to the Surveillance areas of business. For more information please visit: www.gov.uk/government/**cast**

### Dr. Simon Rice, Information Commissioner's Office

Simon Rice became the Principal Policy Adviser (Technology) at the ICO in February 2011, with responsibility to lead and develop the technical and information security expertise within the office. Simon achieves this by advising

on the technical aspects of complaints received and data breach investigations. He also monitors the technology environment to identify the developments which may impact on information rights. Between 2005 and 2011, Simon was a database and software developer at the Health and Safety Laboratory, the principal source of scientific support for the Health and Safety Executive. Prior to joining the Health and Safety Laboratory, Simon studied for his PhD at the University of Manchester in the field of data mining. His research utilised a range of machine learning techniques to extract information from large collections of numeric and textual data.  For information please visit: www.**ico**.org.uk

**Colin Smithers, Redtail Telematics**

Colin Smithers gained BSc and PhD degrees in electronics from Surrey University (Guildford), joining PA Technology in 1985. In 1989 he co-founded and is Chairman of Plextek, the leading communications technology group that has produced Telensa (street lighting control), Blighter Surveillance Systems (electronic scanning radar) and helped form Pneumacare (non-contact lung measurement). Since 1992 Plextek has designed for TRACKER Network (Fleet Tracking and LoJack licensee for Stolen Vehicle Recovery), in 2004 becoming sole supplier to LoJack, delivering over 5 million devices into the automotive aftermarket worldwide. In 2010 Colin founded Redtail Telematics with offices in Cambridge and San Diego and which now supplies fleet and insurance markets, notably Direct Line, Axa, ingenie and American Transit Insurance (New York). For more information please visit www.**redtailtelematics**.com

**Catherine Taylor, Olswang LLP**

Catherine works on employment issues, both contentious and non-contentious and has specific expertise in complex multi-jurisdictional and High Court litigation (especially bonus and employee competition disputes) board level disputes and data protection.  Her practice is primarily employer focused, with a particular interest in the financial, media and technology sectors.  On occasion, Catherine also acts for senior executives in those sectors. For information please visit: www.**olswang**.com