

Security SIG**'How the crime business grew out of recession'**6th April 2017, Hosted by Jesus College

The Security SIG is championed by Paul Tindall of **Sapura**, Derek Long of **Cambridge Consultants**, Jason Kirk of **Atkins**, Max Heinemeyer of **Darktrace**, Nick Koiza of **Plextek** & Tim Phipps of **Solarflare**.

Venue: Jesus College, Jesus Lane, Cambridge, CB5 8BL**AGENDA****12:30** Registration and networking with refreshments (no lunch will be provided)**13:30** Introduction to Security SIG from **Tim Phipps** of **Solarflare****View from a Start-Up chaired by SIG Champion Max Heinemeyer of Darktrace****13:40** **'The future impact of AI in cybercrime'****Dave Palmer, Director of Technology, Darktrace**

The risks from the digital era have changed; intellectual property and financial theft have been a frustration, but we should now expect attacks on enterprise physical assets as well as the deliberate undermining of data-driven strategic decisions aimed to cause damage in the long term. AI and machine learning developments offer new opportunities for resilience across the whole digital business but will how will these same developments be used by digital criminals?

14:00 Q&A**Trends in Crime chaired by SIG Champion Derek Long of Cambridge Consultants****14:05** **'Malware: why are we losing the battle, and what can be done?'****Fraser Kyne, EMEA CTO, Bromium**

Over the last decade we've trebled our spending on IT security; yet breaches are up 4x over the same period. Clearly, something isn't working...The software on modern PCs and mobile devices has become too large and complex to secure via conventional means, making it an easy target for malware. This session will look at the uncomfortable truths behind why the bad guys are winning, and propose what we can realistically do about it by taking advantage of hardware-assisted virtualization.

14:25 Q&A**14:30** **Refreshments and networking****Business Problem chaired by SIG Champion Jason Kirk of Atkins****15:00** **'The Business Case for Cyber Security, and the Investment Landscape'****Nick Kingsbury, Serial Investor & Entrepreneur and Founder, Kingsbury Ventures**

The first part of this presentation will look at the key questions a board should answer about their business, its assets, its plans and the key risks. In answering these questions a business case can be built. The second part will provide a snapshot of the investment landscape for innovative cyber security technology companies that are helping protect business against those risks.

15:20 Q&A**The Response chaired by SIG Champion, Nick Koiza of Plextek****15:25** **'Effective engagement & information sharing with Law Enforcement concerning business crime'****DS Tim Court Metropolitan Police**

This talk will outline the current framework of law enforcement response and activity to tackle cyber crime and fraud offences in the UK. It will provide an insight into serious organised crime groups targeting businesses and clarify what to expect from a LE response; and finally how to prepare for such engagement.

15:45 Q&A**Policy responses to the changes in the 'technology of crime'****15:50** **Jane Cannon MBE, Director, Security Industry Engagement, Head, Joint Security & Resilience Centre**

Jane will discuss the challenges facing HM Government and the security sector.

16:10 Q&A**16:15** Open Forum/Panel session with all speakers chaired by **Tim Phipps** of **Solarflare****17:15** **Closing remarks**

Profile of organisers

Cambridge Wireless (CW)

CW is the leading international community for companies involved in the research, development and application of wireless and 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 18 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.

www.cambridgewireless.co.uk

Profile of SIG Champions

Jason Kirk, Atkins

Jason Kirk is Client Director for Atkins Aerospace, Defence, Security and Technology. Jason has delivered major business change initiatives and built award-winning teams in the private and public sector. Jason has a background in service management and programme management. Since 2011 he has specialised in cyber, from both infrastructure and business change perspectives, looking to ensure that both deliver competitive advantage. www.atkinsglobal.com

Max Heinemeyer, Darktrace

Max is a senior consultant working for Darktrace. Before moving to the UK and joining Darktrace, he has been leading HPE's Threat & Vulnerability Management efforts in central Europe and was a member of the German Chaos Computer Club. He has worked as an ethical hacker in Penetration Testing and Red Teaming engagements as well as supporting the integration of Vulnerability Management and SIEM solutions. www.darktrace.com

Nick Koiza, Plextek

Nick heads up Plextek's business in the security market and acts as a trusted advisor on solutions incorporating key technology areas, including: wireless communications, sensors, imaging and surveillance. He has a long and successful track record across global security & public safety sectors, where he has developed a strong reputation as a leading authority in secure critical communications. www.plextek.com/markets/security

Derek Long, Cambridge Consultants

Derek is a Business Development Manager at Cambridge Consultants and specialises in the Telecoms and Mobile domain. His role is to develop business in the field of consumer and specialist telecommunications leveraging Cambridge Consultants unique strengths in the field of radio communications technologies. He has been working in mobile broadband for over 20 years and with all three generations of mobile data from the introduction of GPRS and 3G up until the introduction of LTE Advanced and 5G. www.cambridgeconsultants.com

Tim Phipps, Solarflare

Tim Phipps has built a career working for communications companies in Cambridge. He worked on mobile phone technology, as one of the first employees of TTPCom, which went on to be a FTSE listed company. At Symbionics, he helped to write the standards for WiFi and developed some of the first ICs. Tim now works for Solarflare, which provides the 40Gb Ethernet technology which powers the world's leading stock exchanges and trading companies. Tim is Technical Marketing Manager for a new class of network security products. www.solarflare.com

Paul Tindall, Sepura

Paul Tindall works in the Technology Office at Sepura PLC where he works on Advanced Technology projects, investigates future technologies and strategies and is responsible for the company's software architecture. Prior to this Paul was the Software Architect for the Wireless Division of U-Blox where he created a novel Software Defined Modem (SDM) Platform for the latest generation of Wireless User Equipment using Model Driven Development techniques to develop Modem Physical Layers on Heterogeneous Multi-processors platforms. He was the Technical Director and Uber-Architect at TTPCom SW Business Unit where he developed wireless technology for 13 years. Paul also works in the Defence industry on a variety of MOD Defence projects. Paul has a 1st class honours degree from the Royal Military College of Science and is a Fellow of the BCS. www.sepura.com

Profile of speakers

Fraser Kyne, Bromium

Fraser Kyne is currently EMEA CTO and Regional SE Director for Bromium. He was previously Bromium's Director of Products, reporting directly to the CEO and co-founder Dr. Ian Pratt. Fraser's role has encompassed a wide range of both engineering and customer-facing activity. Prior to joining Bromium Fraser was a Technical Specialist and Business Development Manager at Citrix Systems. He has been a speaker at various industry events on topics such as virtualization, security, desktop transformation and cloud computing. www.bromium.com

Dave Palmer, Darktrace

Dave Palmer is a cyber security technical expert with over ten years' experience at the forefront of government intelligence operations. He has worked across UK intelligence agencies GCHQ and MI5, where he delivered mission-critical infrastructure services, including the replacement and security of entire global networks, the development of operational internet capabilities and the management of critical disaster recovery incidents. At Darktrace, Dave oversees the mathematics and engineering teams and product strategy. He holds a first class degree in Computer Science and Software Engineering from the University of Birmingham. www.darktrace.com

DS Tim Court Metropolitan Police

Tim Court is a Detective Sergeant in the Metropolitan Police Service Cyber Crime Unit. He has worked for the MPS for 14 years and specialises in Serious and Organised Crime groups that target the UK and London in particular. He has worked with national and international agencies to co-ordinate responses to traditional and emerging crime types.

Nick Kingsbury, Serial Investor & Entrepreneur and Founder, Kingsbury Ventures

Nick is an experienced international software entrepreneur and venture capitalist. He started his career with one of the leading UK software houses before setting up his own software and consultancy company in the mid-1980s. He sold this business to Staffware plc in 1996. He then spent eight years at the venture capitalist 3i as sector head for software and internet investments. From 2011 to 2015 he also chaired Accumuli plc, an AIM listed cyber security integrator and Managed Security Services Provider, sold to NCC Group for £55m in April 2015. <https://www.linkedin.com/in/nickkingsbury/>

Jane Cannon MBE, Director for Security Industry Engagement, Head, Joint Security and Resilience Centre

Jane's role is based in the Office for Security and Counter Terrorism (OSCT) in the Home Office but has a remit across Government security. Jane has spent 26 years in industry and the last 12 years in the Security and Defence sector. She joined OSCT from Amadeus Capital Partners where she was their Executive in Residence, helping to develop and enhance Amadeus' presence in the cyber security sector as well as pursuing some freelance consultancy work. Jane is currently Vice-Chair of the Engineering Council. Jane has been Chair of the ADS Security & Resilience Network (a Trade Association) and was a founder member of RISC (UK Security and Resilience Industry Suppliers Community).