

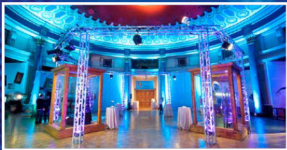


IAP Symposium
Autumn 2012

Friday 23 November 2012

Cryptography & Cyber-security

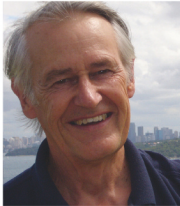
at the
LONDON FILM MUSEUM





IAP Symposium Autumn 2012

Our guest speakers for the IAP Symposium Autumn 2012



Simon Lavington

Simon Lavington retired from academia in 2002 and is now an Emeritus Professor of Computer Science at the University of Essex. Since graduating from Manchester in 1962, his research interests have covered automatic speech recognition, high-performance computer design and hardware support for knowledge-based systems. He is a Fellow of the IET and of the BCS. Since 1968 he has had a background interest in computer history, in which area he has published five books and several papers. He is the digital archivist for the Computer Conservation Society.

His presentation will take us back to the early days of stored-program computers, starting with the part played by Alan Turing and other British pioneers in the period 1945 – 55. Five pioneering groups built research prototypes that helped companies such as Ferranti Ltd. and Elliott Brothers Ltd. to enter the market place with commercially-available computers. Although there was little connection between production computers and the requirements of GCHQ, British companies did contribute digital technology to the UK government's code-breaking activities. The Oedipus cryptanalysis computer is a case in point. Oedipus will be described.



David Emm

David Emm is Senior Regional Researcher at Kaspersky Lab, which he joined in 2004 as Senior Technology Consultant. He presents information on malware and other IT threats at exhibitions and events, and provides comment to both broadcast and print media. He also provides information on Kaspersky Lab products and technologies. David has a particular interest in malware ecosystems, ID theft, and Kaspersky Lab technologies. He also conceived and developed Kaspersky's Malware Defence Workshop. Working in the anti-virus industry since 1990, David has previously worked as Systems Engineer, Product Manager and Product Marketing Manager at McAfee; and Technical Support Manager and Senior Technology Consultant at Dr Solomon's Software.

He says, "For almost a decade the threat landscape has been dominated by random, speculative acts of cybercrime designed to make money illegally by stealing data from anyone unlucky enough to become a victim. Such indiscriminate attacks continue to dominate the threat landscape, but there has been a steady increase in the number of targeted attacks. And it's clear that there is now a range of different motives driving malware development. This presentation will outline the major trends in malware development, the purposes for which malware is used, the ways in which malware spreads and the actions organisations should take to secure critical systems."



Keith Martin

Keith Martin is a Professor in, and Director of, the Information Security Group at Royal Holloway, University of London. He is particularly interested in problems relating to key management, especially in distributed environments, and cryptographic applications. Among his recent publications is the introductory "Everyday Cryptography: Fundamental Principles and Applications", published by OUP.

His presentation will consider the process of designing cryptography into a new technology, including the selection of cryptographic algorithms, how they are used, key management and implementation. In particular he will look, through examples, at where things can go badly wrong.

Cryptography & Cyber-security



Craig McDermott

Craig McDermott is the Co-Founder and Technical Director of Apply Mobile Limited who specialise in Mobile Security, Mobile Application Security and Mobile Strategy. With over 12 years experience Craig's knowledge in the field of Information Security has seen him provide Consultancy and Architecture guidance to major International financial organisations, regulators and also Government departments on a wide range of publicly known projects and solutions. Craig is also an ex-CESG CLAS Consultant and has provided Information Assurance and risk consultancy in line with HMG policies and standards within HMG departments. Craig has a Masters Degree (MSc) in Information Security as well as other Information Security recognised qualifications.

His presentation will provide insight into mobile security and will look both at personal mobile security and mobile security within the corporate environment. He will discuss the good and the bad approaches for securing the mobile device, including securing sensitive and personal data. The presentation will also discuss how good security controls should be built in from the start of any mobile application development or enterprise mobile device management project, whether company-owned devices or "Bring Your Own Device" (BYOD) philosophies are being used.

The programme will include

09:00	Open for registration (with coffee and biscuits)
09:55	Welcome (Alastair Revell, Director General)
10:05	Presentation to Michael Ryan, retiring Director General (David Morgan, President)
10:15	Simon Lavington: "Oedipus and other stories"
11:00	David Emm: "Cyber-what? What's driving malware development?"
11:45	Coffee
12:10	Keith Martin: "It's encrypted – but is it secure?"
12:55	Craig McDermott: "Mobile Security – risks and countermeasures"
13:40	Pre-lunch drinks
14:00	Lunch

The location



The London Film Museum is the only film museum of its kind in Great Britain, supporting the Film Industry and the talent within it. They are self supporting by way of a minimal entry price, reinvesting back into the museum and within the community, creating a number of local area initiatives that also form an important part of the school curriculum.



London Film Museum
County Hall
Queens Walk, South Bank
London SE1 7PB

Symposium prices

Free for Fellows of the IAP

Cost to IAP members is **£200.00** including VAT Cost to non-members is **£250.00** including VAT

Prices include 3-course lunch with drinks, entrance to the Museum and VAT.
Space is limited, please mail your cheque or telephone your credit card details to the IAP office as soon as possible.

This event attracts 2 CPD points for IAP members who also belong to the ICPD.
The Institution is happy to liaise with employers who wish to credit attendees in respect of their in-house CPD schemes.

To reserve your place



- email admin@iap.org.uk
- call 020 8434 3685
- or send your cheque to

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