

Information-Safe?

Personal and Corporate Privacy
in the Online World

The twelfth annual Prestige Seminar

Wednesday 10th November 2010
at 5:30 for 6:45pm

Weston Auditorium
de Havilland Campus
University of Hertfordshire

ATTENDANCE FREE
BY ADVANCE REGISTRATION ONLY

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www.eeesta.org.uk/seminar



Overview

A mere fifteen years since the Internet went fully public, it has evolved from supporting little more than an indexable document archive for academia, to become a world-wide infrastructure that increasingly underpins the day-to-day conduct of both commerce and Government.

This infrastructure now supports essential services requiring levels of security and privacy never envisaged by its originators. However, security has not kept pace with these increasing demands. The Internet today is a dangerous place to conduct business, and it grows ever more dangerous. Both technical vulnerabilities and human error all too often result in security breaches.

The speakers will outline the nature of the key security issues facing the Internet today with special reference to privacy, and discuss how we might make it secure enough to fulfill its now essential function to business and Government without the currently familiar catalogue of leaks and breaches.

At the start of the Seminar there will be a Presentation of the EEESTA Award to an Outstanding Arkwright Scholar.

An essential element of the prestige seminar is the final chaired discussion when the audience can put forward questions to the speakers and debate some of the issues.

Welcome

Professor Graham Galbraith, Deputy Vice Chancellor at the University of Hertfordshire, is our host for the evening, and will welcome the audience.

<http://www.herts.ac.uk>

Chairman

David Smith is Deputy Commissioner and Director of Data Protection for the Office of the Information Commissioner (ICO). His role is to ensure that the ICO meets its goal of 'strengthening public confidence in data protection by taking a practical, down-to-earth approach - simplifying and making it easier for the majority of organisations who seek to handle personal information well, and tougher for the minority who do not'. As well as providing data protection leadership across the ICO, David Smith has specific responsibility for its Strategic Liaison Division.

http://www.ico.gov.uk/about_us/who_we_are/management_board.aspx

Speakers

Professor Ross Anderson FRS FREng

Personal Privacy

In 2009 I was one of the authors of "Database State", a report by the Joseph Rowntree Reform Trust into the dozens of government databases that hold information on all of us, or at least on a substantial minority of us. We concluded that eleven of these systems were almost certainly illegal under human-rights law, and most of the rest had significant problems. The new Government has promised to abolish some of the offending systems, such as the ID card database and ContactPoint. The status of others is uncertain. Should we view the cup as half-empty, or as half-full?

Ross Anderson is professor of Security Engineering, University of Cambridge. He is

one of the founders of a new academic discipline, the economics of information security. He also has well-known publications on many technical security topics including hardware tamper-resistance, emission security, copyright marking, and the robustness of application programming interfaces (APIs). He also wrote the standard textbook "Security Engineering - a Guide to Building Dependable Distributed Systems".

<http://www.cl.cam.ac.uk/~rja14/>

Lars Davies **Corporate Privacy**

Commercial organisations have a legitimate need to access and use personal data. Without that ability many of the services that we take for granted would be impossible to perform. Yet this point is often lost in the hysteria that surrounds any data breach; and the hysteria also causes a lack of understanding of the true nature of data protection and what it should achieve. Organisations need to understand their obligations, and the benefits that they will gain from meeting those obligations. Individuals need to understand why organisations need to access that data. Most importantly, both organisations and individuals need to understand privacy, what it means, and what it requires.

Lars Davies is CEO of Kalypton Limited, and was a Senior Visiting Fellow to the Institute for Computer and Communications Law, Centre for Commercial Law Studies at Queen Mary, University of London where he specialised in Information Technology Law, Internet Law and Telecommunications Law. He currently concentrates on issues that include electronic financial services, security, authentication, and regulatory compliance.

<http://www.kalypton.com/about-ljd.html>

Angela Sasse **Managing the Human Element in Information Security**

Organisations face significant challenges in keeping data secure, and managing human behaviour is a key one. Investigations into recent data breaches have generally come to the conclusion that the breach would not have occurred if people were following prescribed procedures, and recommend increased training, monitoring and enforcement. The talk will question the effectiveness of this approach, which ignores both the underlying systemic failures in many organisations, and existing knowledge on what is required to change behaviour in organisations.

Angela Sasse is Professor of Human-Centred Technology and Head of Information Security Research in the Department of Computer Science at University College London. A usability researcher by training, her research over the past 15 years has focused on developing a human-centred approaches to security, privacy, identity and trust.

<http://hornbeam.cs.ucl.ac.uk/hcs/people/angelasasse.html>

Vote of Thanks

Sir William Francis CBE, LLD, FREng, past President of ICE, will propose the vote of thanks.

<http://www.ice.org.uk>

Organisers

EEESTA - promoting engineering, science and technology to the community at large, through public events, seminars and awards.

Previous EEESTA Prestige Seminars:

2009 Waste Not, Want Not

2008 Engineering Our Health

2007 Gridlock? Transport in 2030

2006 Lights, Camera, Action

2005 Energy for the Future

2004 Developing Our Future; Manufacturing

2003 Watch this Space; Beagle 2 Mars Lander

2002 Risk In Uncertainty

2001 Energy and Resources in the 21st Century

2000 Global Guardians; Sustainability

1999 Millennium Dawn; The Next 1000 Years

Planned for 2011: Engineering the Olympics

For details, visit www.eeesta.org.uk/seminars.html

or contact Dr. Andrew Powell OBE CEng FIMechE

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