Tuesday, 9th April 2013 (17.30 for 18.15)

Technical Lecture:

The Science of Cyber Security

By

Professor Chris Hankin

VENUE
City University, Northampton Square, London, EC1V 0HB.
The nearest Underground stations are Angel, Barbican and Farringdon.

Refreshments  –  Room C143 (Tait Building. Entrance – Northampton Square reception)
Lecture  –  Room AG07 (College Building. Entrance - St John Street entrance)
Please come to the Northampton Square reception where the reception will guide you to the above rooms. For lecture only it is more convenient to come to St John Street entrance.

Detailed campus map can be found on the next page.

Travel information to City University College Building is also available at www.city.ac.uk/visit (click on ‘University Buildings’ and then ‘College Building’ from the menu).

AGENDA

The Science of Cyber Security
Professor Chris Hankin, Institute for Security Science and Technology, Imperial College London

Attacks on cyber systems have been identified as one of the Tier One threats to the UK’s national security. Some authors have estimated the annual cost to the UK of breaches in cyber security to be £27 billion. This has led the Coalition Government to allocate £650 million to support efforts in improving our cyber security. In this talk, we will start by setting the scene with respect to national and international perspectives on cyber security. We will then discuss the need for a new science of cyber security and, in particular, describe the recently created Research Institute in Science of Cyber Security. We will give an overview of the four projects which are being run by the Research Institute. In the final part of the talk, we will concentrate on the project that is being led by Imperial which focuses on the development of the use of game theory to develop better decision support tools for systems administrators.

Professor Hankin joined Imperial in 1984 and was promoted to a chair in 1995. He is Director of the Institute for Security Science and Technology. He has previously been Dean of City and Guilds College (2000-2003), Pro Rector for Research (2004-2006) and Deputy Principal of Engineering (2006-2008). His research is in theoretical computer science and language based security. He has published about 90 conference and journal papers and 3 textbooks. He leads multidisciplinary projects focused on developing advanced visual analytics and providing better decision support to defend against cyber attacks. He is also a partner in the UK Visual Analytics Consortium (UKVAC) which is co-funded by the UK Government and US Department of Homeland Security. He was chair of the Lead Expert Group for the Government Office of Science’s Policy Futures Foresight report on Future Identities. He is Editor-in-Chief of ACM Computing Surveys, President of the Scientific Council of INRIA, the French national institute for research in computer science and control, and Vice Chair of the DG CONNECT Advisory Forum of the European Commission.
Refreshments will be provided before the technical lecture.
Please confirm your attendance to our programme Secretary Henry Downes at:
Henry Downes <hd@imtex-controls.com>