

Outline CV

Details

Name: William Buchanan, BSc (Hons.), PhD, FBCS, FIET, CEng, MCP
Date of Birth: 6th March, 1961.
WWW page: <http://www.soc.napier.ac.uk/~bill> (🔗)
<http://buchananweb.co.uk> (🔗)
Current Post: Professor, School of Computing
Leader, Centre for Distributed Computing and Security
Leader, Centre of Excellence in Cybercrime (Scotland/NI)
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Outline

Bill Buchanan is a Professor in the School of Computing at Edinburgh Napier University, and a Fellow of the BCS and the IET. He currently leads the Centre for Distributed Computing, Networks, and Security, and works in the areas of security, next generation user interfaces, Web-based infrastructures, e-Crime, intrusion detection systems, digital forensics, e-Health, mobile computing, agent-based systems, and simulation. Bill has one of the most extensive academic sites in the World, and is involved in many areas of novel research and teaching in computing. He has published over 27 academic books, and over 130 academic research papers, along with several awards for excellence in knowledge transfer, and for teaching, such as winning at the I ♥ my Tutor Awards (Student voted), Edinburgh Napier University, 2011, and has supervised many award winning student projects.

Presently he is working with a range of industrial/domain partners, including with the Scottish Police, health care professionals and the FSA. As part of the drive to create a World-leading infrastructure for security and cybercrime, he leads the Scottish Centre of Excellence for Security and Cybercrime which brings together a wide range of collaborators, including most of the universities in Scotland, the Scottish Police, the public sector, and a range of SMEs and large organisations. Current work includes initiatives on creating an e-Forensics Cloud across Scotland, and in organising a large-scale Symposium to engage a large number of stakeholders within Scotland, in order to focus on creating a World-leading infrastructure.

He has a long track record in commercialisation activities, including being a co-founder of Inquisitive System, which has progressed from PhD work to a university spin-out, though the Scottish Enterprise funded Proof-of-Concept scheme. This spin-out has also involved patenting novel security software in three territories around the World. His current work includes collaboration of TSB Grants with Microsoft plc on a £2million project which aims to improve the care of the elderly using Trusted Cloud-based services, and with Chelsea and Westminster Hospital on a next generation Health Care platform. This also matches up with other funded projects with the FSA and the Scottish Police.

See Web site for more details: <http://buchananweb.co.uk>

Employment (Online)

2005-Present	Professor, School of Computing, Napier University, Edinburgh.
2003-2005	Reader, School of Computing, Napier University, Edinburgh.
1989-2003	Senior Lecturer, School of Computing, Napier University, Edinburgh.
1996-Present	Series Editor (IT and Computing), Macmillan Press Ltd.
1989-Present	Consultant to several companies including British Gas plc, HMSO, and so on.
1991-1995	Director, Real-Time Technologies Ltd, Edinburgh.
1989-1990	Software Consultant, ABACUS Simulations Ltd, Glasgow.
1986-1989	Lecturer, Department of Electronics, Napier University, Edinburgh.

Recent Activities (Outline)

- University spin-out for Digital DNA (Inquistive Systems), 2010.
- EPSRC/TSB Award, Scaleable and Open Framework for Human/Digital Trust between Informal/Formal Personal Health Care Infrastructures, Human and Digital Trust, Jan 2010. (overall grant £2million, Napier funding: £300,000).
- EPSRC/TSB Award, Information Infrastructure Protection: Managing complexity, risk and resilience, Nov 2009. (£1.5million, Napier funding: £280,000).
- Strategy Investment Fund, £85,000. Centre of Excellence in CyberCrime (2010).
- US Patent: 61/116681 (with Jamie Graves), Oct 2009. DNA Digital Fingerprinting Framework.
- Lead, BCS Centre of Excellence in Cybercrime (2010), Scotland and NI (proposed UK-lead).
- Digital DNA, Proof-of-Concept, Scottish Enterprise, Sept 2008, £210,000.
- Principal's Award, e-Health, £12,500, 2008.
- Principal's Award, Security Network of Excellence, £10,000, 2008.
- SIPR (Scottish Institute for Policing Research) funded PhD studentship, 2008, £30,000. Information-sharing Architecture for Information Sharing between the Police and their Community Partners.
- SIPR (Scottish Institute for Policing Research) Knowledge Transfer Co-originator for the Evidence and Investigation Network. [<http://www.sipr.ac.uk/networks/network2.php>]
- FSA (Financial Services Authority)-funded PhD studentship, 2008, £30,000. Next-generation Anonymisation for Cybercrime Investigations.

Publications

- 27 academic books, including a new one on Security and Network Forensics, and a forthcoming one on Advanced Cloud Computing.
- 113 Academic and Conference papers.
- See Web site for more details: <http://buchananweb.co.uk>