

Graham Dean

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Profile

A positive, hard-working, professional with experience in academia, industry and central government departments

Education and Qualifications

BSc Hons (1st Class) Computer Science 1990 Lancaster University
(C.Eng awarded 1997)

Career Summary

Sep 2005–September 2008 Deputy Dean, School of Computing, University of Teesside

Management & Leadership – Provided management and leadership of a large multi-discipline school (approximately 160 FTE staff and 2000 students) covering computer science, information technology, digital media, computer games, computer animation and digital technologies.

Innovation & Partnerships – Led Digital Content theme for the Northern Edge Creative & Cultural Industries programme, developed DIGITEX conference with speakers from NESTA, BBC, Codeworks & Cranfield University and workshops on inclusive & accessible digital products, network futures, games technologies and digital security. Contributed chapter on digital content industries to the “Skills Need for Creative & Cultural Industries” report. Member of the Digital City regeneration programme focused on developing graduate start-ups through fellowship and business facilities programme addressing Digital Content & Digital Technologies. Delivered Digital Knowledge Exchange programme providing business support in the areas of social informatics, web & games accessibility and technical architectures. Managed delivery of New Technologies Institute delivering CPD technology courses. Led school's capabilities in enterprise development focusing on knowledge transfer partnerships, consultancy, contract research, spin-offs and start-ups

Curriculum Development – Championed review of undergraduate portfolio through specification of process, criteria, data structure & format and participation in review workshops. Developed cross-school Forensic Computing Bsc, an Information Security BSc and individual security modules. Assisted Skillset accreditation of animation courses and award of Skillset Media Academy

Business Planning – Supported the University annual business planning process providing evidenced projections of external income, capabilities and resources required together with explicit identification of external dependencies.

CPD Training Undertaken – In-House Academic Leadership Programme, In-House Chairperson Training, LFHE Higher Education Programme

Positions Held – Member of University Academic Board, Member of One NorthEast E-Leadership Council, Member of Northern Edge Steering Group, Chair School Enterprise Committee

(Cont.)

July 2004 – August 2005 Technical Director, Knowledge & Information Systems Division, QinetiQ

- Implemented and managed capability assessment and development process across 6 business units employing approximately 2000 people
- Managed and co-ordinated technical assessment process across division
- Developed business building model based on capabilities, propositions, markets, offerings and customers
- Implementation of divisional technical prize to encourage innovation
- Represented division on the QinetiQ Academic Working Group (QAWG). Developed divisional strategy addressing strategic relationships with Academia in the context of the RAE, Lambert Review and Third-Stream funding
- Management of technological capability development programme
- Secure systems consultancy for Foreign & Commonwealth Office (0.4 FTE)

Oct 2002 Channel Director & FCO Consultancy (2-Days per week) – QinetiQ Malvern / London

- Development and implementation of a business strategy growing business from £3.5m p.a. to £8m p.a.
- Formation of focal business entity for security and intelligence
- Member of Knowledge & Information Systems Division of QinetiQ's Leadership Team
- Development of technical propositions in technical architectures, communications, image processing, asset tracking, threat assessment, technology foresight and capability studies
- Focused on growing relationship with senior clients around their business objectives
- Development of joint strategies and technology roadmaps in conjunction with clients
- Consultancy with FCO with responsibilities for relationship building and technical liaison across all QinetiQ technology domains
- Responsible for technical capability assessments

Oct 2000 Technical Manager - Planning & Investments (0.6 FTE) & FCO Consultancy (0.4 FTE) – QinetiQ Malvern

- Responsible for identification, management and exploitation of IP (Intellectual Property) into commercial markets
- Management of internal investment budget of £1.5m p.a.
- Implemented identification process across six business units employing 2000 staff identifying 80 opportunities
- Implemented a management process using NABC-P (Need, Approach, Benefits, Competitiveness and Planning including financial calculations) to prioritise opportunities and explicitly identify exploitation process
- Identification of appropriate exploitation mechanisms- including core business, commercial spin-out, licensing of technology, service provision or joint venture
- Subsequent monitoring, management and reporting on priority commercial opportunities
- Coordinated implementation of horizon model for business planning to address current, mid-term and longer-term business opportunities
- Consultancy for FCO with responsibilities for technical architecture work for communications in UK and overseas. Undertook technical liaison work with end-users

Sept 1999 Research Programme Manager – DERA Malvern

- Responsible for the management and delivery of an £11M p.a. research programme covering computing, information processing and signal processing.
- Scope of programme included signal processing, image processing and interpretation, decision support, information management, processing and fusion technologies, network and system technologies and speech and display technologies
- Responsible for delivering over 60 individual projects with approximately 30 project managers
- Responsibilities included programme coherence, milestone delivery, financial management, technical quality and information dissemination
- Managed and delivered Information Management scoping project area with senior UK academics
- Consultant for management and strategy of a sensitive space based assets programme with overseas partners
- Representative on the DERA Information Operations Coordination Committee for strategic research

**May 1998 Research Programme Manager and Scientific Adviser
Information Security – MOD Secondment, London**

- Responsible for definition, procurement and delivery of a £4M p.a. information security research programme on behalf of MOD stakeholders
- Managed progress, supported industry involvement and ensured exploitation into MOD policy and procurement programmes
- Held monthly progress management meetings with industry, technical task leaders and military customers
- Responsible for information security research aspects in review of information and communication systems programme review and balance of investment appraisals
- Responsible for formulation of savings and enhancements measures
- Initiated programme activities in area of Information Operations including threats and countermeasure, planning and assessment and tools and techniques
- Responsible for technical liaison with MOD and other Government departments' users of the research output to expedite exploitation

June 1996 Research Scientist - DERA Malvern

- Responsible for technical research into information security
- Implemented a draft version of the Internet Security Architecture Key Management Protocol (ISAKMP) for interoperability tests with the NSA. Deployed as part of IPSec as internet infrastructure
- Published survey report on cryptographic application programming interfaces
- Task leader on X-Windows security vulnerabilities research
- Published paper highlighting the security vulnerabilities found in X-Windows at the National Defense University in Washington, USA
- Delivered presentations on application security vulnerabilities to MOD and other government departments
- Responsible for design and project planning of cost effective security administration demonstrator implemented in Java and HTML
- Task leader for 'Lifecycle Security' programme addressing issues involved in managing a secure system and trusted software distribution, vulnerabilities in mobile code, web browsers and web servers

July 1995 Software Engineer - Marex Technology Limited, Cowes, Isle of Wight

- Responsible for development and deployment of SCADA (Supervisory Control and Data Acquisition) software system
- Task leader for technical strategy and software architecture to integrate multi-platform software systems using OMT and Booch methodologies for in-house design and implementation including VC++, Visual Basic, OLE and COM/ActiveX tools
- Trained as Internal Quality Auditor and subsequently led software development team successfully through ISO9002 accreditation process
- Responsible for management information database design for process plants and advice to project teams.
- Provided technical consultancy on distributed infrastructures and experimental work on graphical user interfaces

September 1994 University Lecturer - Dept. of Computing, Lancaster University

- Responsible for design and delivery of software engineering courses for BSc(Hons) Computer Science degree.
- Responsible for consultancy on collaborative research bids to SERC/EPSRC, ESPRIT and other funding bodies.
- Continued responsibility for management of EU ESPRIT PROTEUS project involving technical and management duties as detailed in previous post

July 1993 Senior Research Associate - Dept. of Computing, Lancaster University

- Programme manager and lead researcher Lancaster ESPRIT consortium (PROTEUS) project management team
- Responsible for liaison and relationships with partners in France and Norway
- Produced concept, technical strategy and architecture for a software evolution and configuration management toolset
- Designed and implemented system evolution notation and associated toolset
- Managed integration work with third party industrial tool developers in France, Germany and Italy
- Published project reports and technical papers including peer-reviewed journal papers
- Wrote project bids to UK Research Councils and EU on behalf of Lancaster University
- Lectured on software engineering and formal methods courses to undergraduate students
- External moderator to education colleges' computing courses in the North-West region

July 1990 Research Associate - Dept. of Computing, Lancaster University

- Responsible for multi-disciplinary research into cooperative distributed systems management using techniques from sociology and computer science
- Designed and implemented a prototype toolset providing support for cooperative distributed systems management
- Published two peer-reviewed journal papers and presented at conferences in the UK and US
- Developed research work through formation of an EU ESPRIT consortium (PROTEUS) addressing issues in software evolution including partners from France, Germany, Norway, Italy and the UK
- University college tutor for first year students
- Responsible for practical programming classes and for lectures to undergraduates on specialised topics in software engineering and formal methods

Personal Details

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| Driving Licence | Full |
| Health | Good |
| Interests | Cycling, Sports Administration & Coaching, Outdoors Activities |