

“The University has signed a major partnership with leading defence security and technology company QinetiQ. The strategic partnership will enable QinetiQ to access University expertise and maintain an active involvement in its latest research innovations. In return QinetiQ, which has a strong UK customer base and is expanding in the USA, will provide expertise on technology transfer.”¹

- Cardiff University Website

University of Cardiff's Military Projects 2001 - 2006

Overall Statistics

Total no. of projects	Minimum amount received from Projects	Ranking by: a) no. of projects b) amount (£)	Top 3 funders (by no. of projects)	Top 3 departments (by no. of projects)
44	£2,860,183	a) 16th b) 20th	1) QinetiQ 2) MoD 3) Dstl	1) Engineering 2) Business School 3) Computer Science

School of Biosciences

Source/ Sponsor/ Partner	Project	Amount	Date
Defence Science and Technology Laboratory	Development of the Methods for the Concentration of Bacteria and Effecting Bacteria-Wall Contact in a Flow Liquid Using Ultrasonics (2 separate grants)	£37,488	Apr 2000 to Jun 2003 ²
Defence Science and Technology Laboratory	Ultrasonic Disruption of Vegetative Bacterial Cells and Spores (2 separate grants)	£83,018	Jul 2002 to Jun 2004 ³
Defence Science and Technology Laboratory	Cell Disruption in Small Volumes by Ultrasonic Cavitation (2 separate grants)	£122,694	Sept 2004 to Dec 2006 ⁴
Defence Science and Technology Laboratory	Small Investigation into the Production of Ultrasound Concentration Cell	£44,000	Nov 2004 to Aug 2005 ⁵
Defence Science and Technology Laboratory	Development of Cell Disruption Programme	£28,300	Oct 2005 to Mar 2006 ⁶
Defence Science and Technology Laboratory	Development of Prototype Biosensor	£109,154	Oct 2005 to Sept 2007 ⁷

Cardiff Business School

Source/ Sponsor/ Partner	Project	Amount	Date
EPSRC,	IMI: Product Introduction Process	£126,588	Nov 1997 –

Smiths Industries, Rolls-Royce Plc, and others	Simulation in the Extended Enterprise (PIPSEE)		Feb 2001 ⁸
GKN Westland Transmissions, and other partners	Learn 2: Learn Research Network (2 separate grants)	£98,000	Jun 2000 to May 2002 ⁹
Rolls Royce	4 Postgraduate Student Fees	£?	Since 2001 ¹⁰
Smiths Group Plc	1 Postgraduate Student Fees	£?	Since 2001 ¹¹
Ministry of Defence	2 Postgraduate Student Fees	£?	Since 2001 ¹²
GKN Plc	1 Postgraduate Student Fees	£?	Since 2001 ¹³
QinetiQ	1 Postgraduate Student Fees	£?	Since 2001 ¹⁴
Defence Logistics Organisation	Lean Programme Support	£352,000	Sept 2003 to Apr 2008 ¹⁵

School of Chemistry

Source/ Sponsor/ Partner	Project	Amount	Date
Defence Science and Technology Laboratory	Non-Corrosive Surface Active Catalysts in Decontamination	£154,883	Apr 2003 to Oct 2005 ¹⁶
Dstl, EPSRC, and others	Funding for McKeown Group Projects: Application of Organic Synthesis to the Preparation of Materials with Interesting and Unusual Properties	£?	Current as of June 2007 ¹⁷

School of City and Regional Planning

Source/ Sponsor/ Partner	Project	Amount	Date
Ministry of Defence	2 Postgraduate Student Fees	£?	Since 2001 ¹⁸

School of Computer Science

Source/ Sponsor/ Partner	Project	Amount	Date
Defence Evaluation and Research Agency, and QinetiQ Ltd	Wireless Network Design	£17,400	Oct 2000 to Oct 2003 ¹⁹
Rolls-Royce	2 Postgraduate Student Fees	£?	Since 2001 ²⁰
Defence Evaluation and Research Agency, and QinetiQ Ltd.	Dynamic Network Design	£52,565	Aug 2001 to Jun 2002 ²¹
BAE Systems (Operations) Ltd, and other partners	E-Science Core Programme: Cardiff Regional Centre	£302,500	Apr 2003 to Apr 2006 ²²
Ministry of Defence (Data and Information Fusion – Defence Technology Centre)	Low Dimensional Hierarchical Subspace Modelling of High Dimensional Multi-Sensor Data	£54,000	Oct 2003 to Sept 2006 ²³
Ministry of Defence (Data and Information Fusion – Defence	Statistical Fusion of Data	£162,738	Oct 2003 to Sept 2006 ²⁴

Technology Centre)			
EADS Defence and Security Systems Ltd	Optimising Sensor Networks for Data Fusion	£80,000	May 2005 to May 2009 ²⁵

School of Engineering

Source/ Sponsor/ Partner	Project	Amount	Date
Ministry of Defence	5 Postgraduate Student Fees	£?	Since 2001 ²⁶
QinetiQ	1 Postgraduate Student Fees	£?	Since 2001 ²⁷
Rolls Royce Plc	Magnetic Testing of Cobalt Iron	£3,200	Aug 2003 to Oct 2003 ²⁸
Defence Science and Technology Laboratory	Summarise the Existing Literature on Blunt Trauma	£20,000	Oct 2003 to Oct 2004 ²⁹
Ministry of Defence (Data and Information Fusion – Defence Technology Centre)	Characterisation, Modelling and Mitigation of Impairments Produced by Radio Channels, Sensors and Communication Equipment for Data Fusion	£274,928	Oct 2003 to Sept 2007 ³⁰
QinetiQ	RF Measurement on GaN Transistors and Passives	£41,031	Sept 2004 to Jun 2006 ³¹
Rolls Royce Plc	Magnetic Testing of Co-Fe Toroids	£2,045	Oct 2004 to Dec 2004 ³²
EPSRC, and QinetiQ (Malvern)	Precision Measurement and Correction of Microphone Non-Linear Distortion	£62,295	Nov 2005 – Oct 2006 ³³
EADS Defence and Security Systems Ltd	Diagnostic Rhyme Testing	£35,404	Dec 2005 to Feb 2006 ³⁴
BAE Systems and NASA	Co-Funding for Aerospace and Lightweight Structures Projects	£?	NASA funded work Since 1981 ³⁵

School of History and Archaeology

Source/ Sponsor/ Partner	Project	Amount	Date
Ministry of Defence	Assessment of Wall Paintings	£222	Mar 2000 to Mar 2005 ³⁶

School of Medicine

Source/ Sponsor/ Partner	Project	Amount	Date
Ministry of Defence	Therapeutic Manipulation of Ventricular and Vascular Function in Hypertension and Marfan Syndrome	£5,455	Aug 2004 to Aug 2006 ³⁷

Physics and Astronomy

Source/ Sponsor/ Partner	Project	Amount	Date
EPSRC, QinetiQ (Malvern),	Transverse and Vertical Cavity Quantum Dot Lasers	£72,436	Oct 1998 – Sep 2001 ³⁸

and others			
QinetiQ	Growth on Silicon	£39,878	Apr 2001 to Apr 2002 ³⁹

School of Psychology

Source/ Sponsor/ Partner	Project	Amount	Date
QinetiQ	Isolation of Further Processes that Generate Task Interference Based on the Cognitive Streaming Hypothesis	£25,140	Apr 2002 to Sept 2002 ⁴⁰
QinetiQ	Cognitive Streaming and Air Traffic Management	£130,082	Apr 2002 to Apr 2004 ⁴¹
Ministry of Defence (Data and Information Fusion – Defence Technology Centre)	Designing Integrated Displays to Support Team Situation Awareness	£222,248	Oct 2003 to Sept 2006 ⁴²
QinetiQ	Effectiveness of Coaching Techniques in Military Training	£100,491	Nov 2005 to Dec 2006 ⁴³

Various Departments: Data & Information Fusion Defence Technology Centre (DIF – DTC)¹

Source/ Sponsor/ Partner	Project	Amount	Date
<p>Consortium Leader: General Dynamics UK Ltd</p> <p>Private Sector partners: QinetiQ, and others</p>	<p>Data & Information Fusion Defence Technology Centre</p> <p>University Membership includes:</p> <ul style="list-style-type: none"> • University of Bristol, • University of Cambridge, • Cranfield University, • University of De Montfort, • Imperial College London, • University of Surrey, and • University of Southampton <p>The Overall Work of the DTC Follows a Number of Themes:</p> <ul style="list-style-type: none"> • Agents and DIF Architectures • Multi-Dimensional Fusion • Multi-Sensor Management • Situation Awareness, Human Factors • Tracking and Target Management 	£?	Current as of 7 th April 2006 ⁴⁴

Miscellaneous

¹ Please see School of Computer Science, School of Engineering and School of Psychology for details of individual projects within these departments.

Source/ Sponsor/ Partner	Project	Amount	Date
Ministry of Defence	14 Undergraduate Students Fees	£?	Since 2001 ⁴⁵

Notation

£? Denotes projects whose value we were unable to discover.

Endnotes

¹ "Partnership underlines University innovation". News and Events. <http://www.cardiff.ac.uk/newsevents/17366.html>. 1 May 2007.

² R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

³ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

⁴ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

⁵ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

⁶ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

⁷ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

⁸ "Details of Grant". Engineering and Physical Science Research Council. <http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/L91030/01>. 27 January 2007.

⁹ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

¹⁰ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹¹ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹² R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹³ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹⁴ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹⁵ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹⁶ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹⁷ "The McKeown Group: Synthesis of Organic Materials". Cardiff University, School of Chemistry, McKeown Research Group. <http://www.cardiff.ac.uk/chemy/staffinfo/mckeown/>. 27 January 2007.

¹⁸ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.

¹⁹ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.

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- ²⁰ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.
- ²¹ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ²² R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ²³ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ²⁴ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ²⁵ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ²⁶ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.
- ²⁷ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.
- ²⁸ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ²⁹ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ³⁰ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ³¹ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ³² R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ³³ "Details of Grant". Engineering and Physical Science Research Council.
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=EP/D04264X/1>. 27 January 2007.
- ³⁴ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ³⁵ "Engineering". Cardiff University, School of Engineering.
<http://www.cardiff.ac.uk/schoolsanddivisions/academicschools/profiles/engin.html>. 27 January 2007.
- ³⁶ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ³⁷ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ³⁸ "Details of Grant". Engineering and Physical Science Research Council.
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/L92730/01>. 27 January 2007.
- ³⁹ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ⁴⁰ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ⁴¹ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ⁴² R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ⁴³ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ⁴⁴ R Robertson. Information Rights Manager, Cardiff University. 7 April 2006. Sent to Fellowship of Reconciliation.
- ⁴⁵ R Robertson. Information Rights Manager, Cardiff University. Email sent to Fellowship of Reconciliation, 24 May 2006.