

*“The [Aerospace Engineering] Department has a high profile in the UK's aerospace industry - our status as a BAE Systems preferred course is testament to this. Only two other UK institutions have been endorsed by BAE Systems in this way”<sup>1</sup>*

- University of Glasgow Website

## University of Glasgow 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)
82	£5,262,373	a) 8th  b) 17th	1) QinetiQ  2) BAE Systems  3) EPSRC	1) Aerospace Engineering  2) Electronic and Electrical Engineering  3) Mechanical Engineering

### Department of Aerospace Engineering

Source/ Sponsor/ Partner	Project	Amount	Dates
EPSRC, MoD, DERA and BAE Systems	The Application of Sparse Matrix Techniques to the CFD Based Aeroelastic Bifurcation Analysis of a Symmetric Aerofoil	£?	2002 <sup>2</sup>
British Aerospace Engineering Systems	Best Industrially Relevant Final Year Prize	£100	Annual <sup>3</sup>
QinetiQ	CFD Study of Manoeuvring Delta Wing Configurations	£47,719	Aug 1999 - Aug 2002 <sup>4</sup>
EPSRC, BAE Systems Operations Ltd and QinetiQ Ltd	DARP: Prediction Non-Linear Transonic Flutter Characteristics by Numerical Path-Flowing & Model Reduction	£71,431	Sept 1999 - Aug 2002 <sup>5</sup>
QinetiQ (DERA, Bedford)	CFD Study of Surge Wave Propagation within an Intake/ Duct Design	£47,720	Nov 1999 - Sept 2002 <sup>6</sup>
GKN Westland Plc	Investigation of the use of Miniature Jets on Helicopter Rotor Blades	£14,750	Dec 1999 - Sept 2001 <sup>7</sup>
QinetiQ (DERA Accounts Payable)	DARP: Prediction Non-Linear Transonic Flutter Characteristics by Numerical Path-Flowing & Model Reduction	£21,000	Dec 1999 - Mar 2002 <sup>8</sup>

<b>Source/ Sponsor/ Partner</b>	<b>Project</b>	<b>Amount</b>	<b>Dates</b>
BAE Systems (Operations) Ltd	DARP: Prediction Non-Linear Transonic Flutter Characteristics by Numerical Path-Flowing and Model Reduction	£50,980	Dec 1999 - Aug 2002 <sup>9</sup>
QinetiQ	ACFD Study of Cavity Control using Jets	£15,000	Jan 2000 - Jun 2001 <sup>10</sup>
BAE Systems Plc	BAE Systems Virtual University (with University of Southampton and University of Loughborough)	£?	Feb 2000 - Current <sup>11</sup>
BAE Systems (Land & Sea Systems) Ltd	LPX Aircraft Flight and Wing Distribution Studies	£47,432	Aug 2000 - Sept 2001 <sup>12</sup>
QinetiQ	RANS and LES Simulations of Cavity Flows	£40,927	Sept 2000 - Sept 2001 <sup>13</sup>
QinetiQ – DERA (Purchase Ledger)	The Application of Navier-Stokes Codes to Simulation of Cavity Flows	£50,832	Sept 2000 - Sept 2003 <sup>14</sup>
BAE Systems (Operations) Ltd and Rolls-Royce Plc	Definition of Goals for BAE Systems/ Rolls-Royce Programme of Research in Breakthrough Propulsion Technologies	£5,000 (unclear if 3 separate £5,000 grants, or 1 cumulative grant)	Oct 2000 - ? <sup>15</sup>
Lockheed Martin	Mission Analysis for Future Applications of Solar Sail Technology	£8,679	Oct 2000 - ? <sup>16</sup>
QinetiQ	Enhancement of Helicopter Rotor Blade Performance: Active Flow Control and the Potential for Application of 'Smart' Materials	£18,290	Nov 2000 - Oct 2001 <sup>17</sup>
Westland Helicopters Ltd	Total Funding for Aerospace Engineering from 2001	£151,590	2001 - present <sup>18</sup>
BAE Systems Plc	CVUT Prague-Glasgow University Master Programme	£17,300	Oct 2001 - Sept 2002 <sup>19</sup>
BAE Systems (Operations) Ltd	Sponsorship for Nastran Licence (2 separate grants)	£14,400	Oct 2001 - Sept 2007 <sup>20</sup>
QinetiQ Ltd	Enhancement of Helicopter Rotor Blade Performance: Active Flow Control and the Potential for Application of 'Smart' Materials	£5,994	Dec 2001 - Mar 2002 <sup>21</sup>
Westland Helicopters Ltd	Aerodynamic Modelling For Helicopter Rotors Incorporating 3D Effects (2 separate grants)	£198,660	2002 <sup>22</sup>
Westland Helicopters Ltd	Analysis and Indicial Modelling of Helicopter Tail Rotor Blade Vortex Interaction	£148,965	2002 <sup>23</sup>

Source/ Sponsor/ Partner	Project	Amount	Dates
	(3 separate grants)		
BAE Systems	Treatment of Turbulence for Cavity Flows	£13,200	Jan 2002 - Sept 2004 <sup>24</sup>
QinetiQ	2-D Aerofoil Tests in Argyll Wind Tunnel	£20,540	Feb 2002 - Mar 2002 <sup>25</sup>
BAE Systems (Operations) Ltd	Demonstration of CFD based Aeroelastic Predictions on a Real Aircraft Test Case	£7,000	May 2002 - Jun 2003 <sup>26</sup>
EPSRC and BAE Systems Operations Ltd	RAIS: Demonstration of CFD Based Aeroelastic Predictions on a Real Aircraft Test Case	£29,648	June 2002 - June 2003 <sup>27</sup>
BAE Systems (Operations) Ltd	DARP - PUMA	£90,711	Sept 2002 - Sept 2005 <sup>28</sup>
QinetiQ Ltd	CFD [Computational Fluid Dynamics] Options for Icing and Pitching Aerofoil Calculations	£3,500	Oct 2002 - Sept 2003 <sup>29</sup>
BAE Systems	Prediction of Mean Flow Instabilities Using Unsteady Rans Technology	£22,500	Nov 2002 - Sept 2005 <sup>30</sup>
EPSRC, BAE Systems Operations Ltd, QinetiQ Ltd and Rolls Royce Plc	DARP: Unsteady Aerodynamics Prediction and Simulation for Airframe and Turbomachinery Applications (PUMA) DARP	£198,164	Apr 2003 - Sept 2005 <sup>31</sup>
EPSRC and BAE Systems	Loads and Dynamics: Prediction of Dynamic Loads, within the Glasgow CFD Group. Initial Study into the Simulation and Prediction of Wing Flutter. Collaborators include: <ul style="list-style-type: none"> <li>• University of Manchester</li> <li>• University of Bristol</li> </ul>	Up to £30 million over 5 years Initial grant £400,000	Apr 2003 - 2008 <sup>32</sup>
BAE Systems Avionics	Effects of Boundary Layer Turbulence of Optical Imaging	£7,000	July 2003 - Sept 2003 <sup>33</sup>
BAE Systems - Technology Centre	BAE Systems Lectureship	£45,443	Sept 2003 - Dec 2005 <sup>34</sup>
BAE Systems	Computational Fluid Dynamics	£22,500	Sept 2003 - Sept 2006 <sup>35</sup>
Westland Helicopters Ltd	Industrial Secondment Scheme	£?	Oct 2003 <sup>36</sup>
EADS Astrium Ltd	ESA SWARM/ APIES Consultancy	£4,085	Nov 2003 - Feb 2004 <sup>37</sup>
QinetiQ Ltd	CFD Based Predictions of Vortical Flows with Application to Flight Control and Stability	£11,304	Nov 2003 - Aug 2005 <sup>38</sup>
Westland Helicopters Ltd	Integrated Analysis of a Flapped Rotor in Forward Flight	£?	Dec 2003 - Nov 2006 <sup>39</sup>

Source/ Sponsor/ Partner	Project	Amount	Dates
EPSRC and Westland Helicopters Ltd	DARP: Towards Robust and Cost Effective Approaches to Rotorcraft Design	£307,268	Feb 2004 - Jan 2009 <sup>40</sup>
QinetiQ Ltd	Dynamic - Stall Analysis	£18,000	Apr 2004 - Mar 2008 <sup>41</sup>
EPSRC, BAE Systems Operations Ltd and Rolls Royce Plc	Supercomputer Resources for the UK Applied Aerodynamics Consortium	£20,650	June 2004 - Sept 2005 <sup>42</sup>
Westland Helicopters Ltd	Validation of CFD for Flow Control Devices	£?	Aug 2004 - Dec 2004 <sup>43</sup>
EPSRC, Westland Helicopters Ltd, BAE Systems Plc, Dstl (Farnborough), QinetiQ and others	Improved Inverse Simulation using Nonlinear Predictive Methods	£153,285	Oct 2004 - Sept 2007 <sup>44</sup>
EPSRC, EADS Astrium and others	Optimal Interception and Deviation Of Potentially Hazardous Near Earth Objects	£154,012	June 2005 - Oct 2008 <sup>45</sup>
EADS Astrium Ltd	Reliable Preliminary Space Mission Design	£19,821	Dec 2005 - Jul 2009 <sup>46</sup>
EPSRC with DERA/ QinetiQ and BAE Systems	Cavity Flow Aerodynamics. Group research investigations include: <ul style="list-style-type: none"> <li>• Open Cavity Flows</li> <li>• Suppression of Cavity Pressure Oscillations using a Passive Control</li> <li>• Transitional Supersonic Flows</li> <li>• Transitional Subsonic Flows</li> </ul>	£?	Current as of Jan 2007 <sup>47</sup>
EPSRC, Dstl (Farnborough) and others	Nonlinear Sightline Control	£117,725	Sept 2006 - Sept 2008 <sup>48</sup>

### **Department of Naval Architecture and Marine Engineering**

Source/ Sponsor/ Partner	Project	Amount	Dates
QinetiQ – DERA (Purchase Ledger)	Living with Cracks Philosophy for UK Warships	£11,675	Nov 2000 - Dec 2001 <sup>49</sup>
BAE Systems Marine Ltd	Testing and Analysis of Monohull Trimaran and SWATH (3 separate grants)	£18,862	Nov 2001 - Sept 2002 <sup>50</sup>
Ministry of Defence	Structural Reliability and Analysis of Submarine Structures	£20,000	Nov 2001 - Jan 2003 <sup>51</sup>

### **Department of Electronics and Electrical Engineering**

Source/ Sponsor/ Partner	Project	Amount	Dates
EPSRC, QinetiQ (Malvern) and others	Photonic Integrated Gigabit Switches (PIGS) for 100GB/S Packets	£229,892	May 1998 - Apr 2001 <sup>52</sup>
BAE Systems	Collaborative Training Account (CTA) Doctoral Programme (4 separate grants)	£14,900	Nov 2000 - Sept 2004 <sup>53</sup>
QinetiQ Ltd	Development of Flow Cytometry Chip (2 separate grants)	£113,997	Dec 2000 - Jan 2003 <sup>54</sup>
QinetiQ (DERA Accounts Payable)	External Graduate Student	£5,090	Feb 2002 - Sept 2002 <sup>55</sup>
QinetiQ Ltd	External Graduate Student (4 separate grants)	£11,917.50	Mar 2003 - Mar 2006 <sup>56</sup>
BAE Systems - Technology Centre	M HEMT (Metamorphic High Electron Mobility Transistor High Electron Mobility Transistors) Device Technology (2 separate grants)	£99,986	Sept 2003 - Apr 2005 <sup>57</sup>
EPSRC, QinetiQ (Malvern) and others	Novel Time-Resolved Thermal Imaging: AlGaIn/GaN Heterostructure Field Effect Transistors	£93,448	Sept 2006 - June 2010 <sup>58</sup>

### **Department of Physics and Astronomy**

Source/ Sponsor/ Partner	Project	Amount	Dates
QinetiQ (DERA Malvern)	Investigation of Advanced Magnetoresistive Sensor Elements	£21,000	Mar 2002 - Sept 2004 <sup>59</sup>
BAE Systems	Studies of Magnetic and Electric Fields around Ships	£?	2003 onwards <sup>60</sup>
PPARC CASE Awards and BAE Systems (Operations) Ltd	Applications of Lattice QCD Modelling Techniques to the Analysis of Low Frequency Electromagnetic Signatures of Marine Vehicles	£13,200	Feb 2003 - Jun 2004 <sup>61</sup>
QinetiQ Ltd	TEM of Oxides on Silicon	£16,498	June 2005 - Jul 2006 <sup>62</sup>

### **Department of History**

Source/ Sponsor/ Partner	Project	Amount	Dates
Ministry of Defence	The Army in a Changing Society: Recruitment, Race and Equal Opportunities in the British Army	£45,000	Feb 1999 - Jan 2002 <sup>63</sup>

### **Department of Mechanical Engineering**

Source/ Sponsor/ Partner	Project	Amount	Dates
--------------------------	---------	--------	-------

Source/ Sponsor/ Partner	Project	Amount	Dates
EPSRC, QinetiQ and others	Strength Mismatched Laser Welds: a Constraint Based Assessment Method	£117,962	Sept 1999 - June 2003 <sup>64</sup>
Ministry of Defence	Consultancy Support to the Directorate of Standardisation (STAN SPM) - Standards Drafting Review. (12 separate grants)	£43,747	May 2000 - Mar 2006 <sup>65</sup>
EPSRC and Rolls Royce Plc	Control of Vibration by Smart SMA-Embedded Composite Structures	£172,533	June 2000 - May 2003 <sup>66</sup>
Rolls Royce Plc	PWR1 RPV Indexing of Constraint for Underclad Defects	£750	Feb 2001- Apr 2001 <sup>67</sup>
Ministry of Defence	Armoured Vehicles Conference	£1,100	Jan 2004 - Feb 2004 <sup>68</sup>
EPSRC and QinetiQ Ltd	Interrelationships & Visualisations within Symbolic Computational Models & Solutions in Engineering Dynamics	£144,376	May 2005 - Jul 2008 <sup>69</sup>

### **Glasgow University Archaeology Research Division (GUARD)**

Source/ Sponsor/ Partner	Project	Amount	Dates
Ministry of Defence	Excavation of Human Remains, Iraq (F052)	£7,900	Jun 2006 <sup>70</sup>

### **Computing Science**

Source/ Sponsor/ Partner	Project	Amount	Dates
Thales Optics UK Ltd	FARADAY: Real -Time 3D Modelling	£165,772	June 1999 - Sept 2002 <sup>71</sup>
QinetiQ	3D Dynamic Whole Body Measurement	£137,209	Feb 2000 - Feb 2002 <sup>72</sup>
Thales Optronics Ltd	FARADAY Studentship	£13,200	Feb 2000 - Sept 2002 <sup>73</sup>
European Commission and BAE Systems (affiliated organisation)	Multi Agent Control: Probabilistic Reasoning, Optimal Co-Ordination, Stability Analysis and Controller Design for Intelligent Hybrid Systems	£131,524	2000 onwards <sup>74</sup>

### **School of Law**

Source/Sponsor/Partner	Project	Amount	Dates
QinetiQ (DERA Malvern)	Ministry of Defence Contract (tba)	£23,201	Mar 2002 <sup>75</sup>

### **Department of Chemistry**

Source/ Sponsor/ Partner	Project	Amount	Dates
QinetiQ (DERA)	Absorbents for Desulfurisation of Diesel Fuels (3 separate grants)	£51,307	Oct 1998 - Sept 2001 <sup>76</sup>

### Medicine - Community Based Sciences

Source/ Sponsor/ Partner	Project	Amount	Dates
Ministry of Defence	Provision of Specialist Clinical Neuro-Psychology Consultancy (4 separate grants)	£88,416	May 2001 - Apr 2006 <sup>77</sup>
Ministry of Defence	Forensic Services in Iraq	£8,933	May 2003 - June 2003 <sup>78</sup>

### Miscellaneous

Source/ Sponsor/ Partner	Project	Amount	Dates
BAE Systems	2 <sup>nd</sup> International Conference on Advanced Engineering Design	£?	June 2001 <sup>79</sup>
Scottish Enterprise Glasgow	Research and Enterprise: Defence Sensors Technology Applications Centre (DSTAC)	£156,000	Mar 2005 - Apr 2008 <sup>80</sup>
Scottish Executive	Research and Enterprise: Defence Sensors Technology Applications Centre (DSTAC)	£284,794	Jun 2005 - Apr 2008 <sup>81</sup>
Strathclyde European Partnership	Research and Enterprise: Defence Sensors Technology Applications Centre (DSTAC)	£350,059	Jun 2005 - Apr 2008 <sup>82</sup>
Rolls Royce Plc	Vice-Principal (Biomedical and Life Sciences): School to University Transition in STEM Projects	£5,000	Feb 2006 - Jan 2007 <sup>83</sup>

### Other projects/ information of note

<b>EPSRC Supporting Collaboration with military industry</b>
<ul style="list-style-type: none"> <li>83% of Aerospace and Defence EPSRC grants are collaborations, compared to average of 30% across other sectors (Figure current of April 2006). EPSRC collaborates with a range of companies including QinetiQ, DSTL Farnborough, and Augusta Westland Helicopters Ltd. <sup>84</sup></li> </ul>
<b>Defence Sector Initiative Programme</b>
<ul style="list-style-type: none"> <li>The University of Glasgow's Defence Sector Initiative Programme Manager job purpose is as follows: <ul style="list-style-type: none"> <li>To develop technology transfer relationships with industrial &amp; government funders of research relating to the Defence Sector, with a view to increasing the volume &amp; value of research contracts with those funders.</li> <li>To identify areas of market need or potential &amp; to identify areas of research, expertise, know-how or services which could address those needs.</li> <li>To develop supply-chain relationships involving the Universities, Government Departments, major companies &amp; SMEs which will lead to development of research-based technology towards applications in the Defence Sector.</li> </ul> </li> </ul>

- To support SMEs/academics to enter into or win an increased share of defence sector contracts.
- The job will require delivery of outputs defined by external funders of the project.
- They receive a salary of £37,558 - £42,573 p.a. as well as having an annual budget of £300,000 (Sept 2005 – Apr 2008).<sup>85</sup>

## **Notation**

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

## **Endnotes**

<sup>1</sup> "Welcome". Aerospace Engineering, Glasgow University. <http://www.aero.gla.ac.uk/welcome.htm>. 2 May 2007.

<sup>2</sup> "The Application of Sparse Matrix Techniques to the CFD based Aeroelastic Bifurcation Analysis of a Symmetric Aerofoil". University of Glasgow, Department of Aerospace Engineering. <http://www.aero.gla.ac.uk/Research/CFD/projects/aeroelastics/pubs/pdf/tr0205.pdf>. 27 January 2007. And; "Aeroelasticity". University of Glasgow, Department of Aerospace Engineering. <http://www.aero.gla.ac.uk/Research/CFD/projects/aeroelastics/pubs/menu.htm>. 8 May 2007.

<sup>3</sup> "PRIZES, BURSARIES, FELLOWSHIPS AND SCHOLARSHIPS". Glasgow University. <http://senate.gla.ac.uk/awards/prizes/prizeterms.pdf>. 2 May 2007.

<sup>4</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>5</sup> "Details of Grant". Engineering and Physical Science Research Council. <http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/M84350/01>. 27 January 2007.

<sup>6</sup> "Surge Wave Propagation Modelling". University of Glasgow, Department of Aerospace Engineering. <http://www.aero.gla.ac.uk/Research/CFD/projects/surge/surge.htm>. 27 January 2007. And; Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>7</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>8</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>9</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>10</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>11</sup> "University of Glasgow selected to link with British Aerospace's Virtual University". University of Glasgow, Press Release. <http://www.gla.ac.uk/press/releases/bavu.html>. 27 January 2007.

<sup>12</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>13</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>14</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>15</sup> "Grants, Oct 2000". University of Glasgow, Newsletter

---

<http://www.gla.ac.uk:443/newsdesk/newsletter/221/html/research4.html>. 27 January 2007.

<sup>16</sup> "Grants, Oct 2000". University of Glasgow, Newsletter.  
<http://www.gla.ac.uk:443/newsdesk/newsletter/221/html/research4.html>. 27 January 2007.

<sup>17</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>18</sup> "Grants". University of Glasgow's Newsletter January 2002: Issue 234.  
<http://www.gla.ac.uk:443/newsdesk/newsletter/234/html/research10.html>. 27 January 2007. And; Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>19</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>20</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>21</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>22</sup> "Grants". University of Glasgow's Newsletter January 2002: Issue 234.  
<http://www.gla.ac.uk:443/newsdesk/newsletter/234/html/research10.html>. 27 January 2007. And; Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>23</sup> "Grants". University of Glasgow's Newsletter January 2002: Issue 234.  
<http://www.gla.ac.uk:443/newsdesk/newsletter/234/html/research10.html>. 27 January 2007. And; Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>24</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>25</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>26</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>27</sup> "Details of Grant". Engineering and Physical Science Research Council.  
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/S04475/01>. 02 May 2007.

<sup>28</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>29</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>30</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>31</sup> "Details of Grant". Engineering and Physical Science Research Council.  
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/S18229/01>. 27 January 2007.

<sup>32</sup> "Pioneering Partnership for Aerospace Engineering's CFD Group". University of Glasgow Newsletter April 2003: Issue 247.  
<http://www.gla.ac.uk:443/newsdesk/newsletter/details.cfm?id=1487&issue=247&category=catresearch>.  
27 January 2007.

<sup>33</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of

---

Reconciliation.

<sup>34</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>35</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>36</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>37</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>38</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>39</sup> "Flapped Rotor Dynamics". University of Glasgow, Department of Aerospace Engineering. <http://www.aero.gla.ac.uk/Research/CFD/projects/rotorflap/menu.htm>. 27 January 2007. And; Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>40</sup> "Details of Grant". Engineering and Physical Science Research Council. <http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/S61300/01>. 27 January 2007.

<sup>41</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>42</sup> "Details of Grant". Engineering and Physical Science Research Council. <http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/S91123/01>. 27 January 2007.

<sup>43</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>44</sup> "Details of Grant". Engineering and Physical Science Research Council. <http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/S91024/01>. 27 January 2007.

<sup>45</sup> "Details of Grant". Engineering and Physical Science Research Council. <http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/S83999/01>. 27 January 2007.

<sup>46</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>47</sup> "Cavity Flow Aerodynamics". University of Glasgow, School of Aerospace Engineering. <http://www.aero.gla.ac.uk/Research/CFD/projects/cavity/cavityflows.htm>. 27 January 2007.

<sup>48</sup> "Details of Grant". Engineering and Physical Science Research Council. <http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=EP/D057558/1>. 27 January 2007.

<sup>49</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>50</sup> "Newsletter: Grants Jan 2002". University of Glasgow Newsletter: Issue 234. <http://www.gla.ac.uk:443/newsdesk/newsletter/234/html/research10.html>. 8 July 2007. And; Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>51</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>52</sup> "Details of Grant". Engineering and Physical Science Research Council.

---

<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/L87156/01>. 27 January 2007.

<sup>53</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>54</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>55</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>56</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>57</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>58</sup> "Details of Grant", [Engineering and Physical Science Research Council](#).  
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=EP/D04698X/1>. 27 January 2007

<sup>59</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>60</sup> "Dr Sandy Watt". [University of Glasgow, Department of Physics and Astronomy](#).  
<http://www.physics.gla.ac.uk/~awatt/>. 27 January 2007.

<sup>61</sup> "Peter Allan". [University of Glasgow, Department of Physics and Astronomy](#).  
<http://www.physics.gla.ac.uk/~peterj/>. 27 January 2007. And; Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>62</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>63</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>64</sup> "Details of Grant". [Engineering and Physical Science Research Council](#).  
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/M57743/01>. 27 January 2007

<sup>65</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>66</sup> "Details of Grant". [Engineering and Physical Science Research Council](#).  
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/N06267/01>. 27 January 2007

<sup>67</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>68</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>69</sup> "Details of Grant". [Engineering and Physical Science Research Council](#).  
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=EP/C530446/1>. 27 January 2007

<sup>70</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.

<sup>71</sup> "Details of Grant". [Engineering and Physical Science Research Council](#).  
<http://gow.epsrc.ac.uk/ViewGrant.aspx?GrantRef=GR/M54070/01>. 27 January 2007

- 
- <sup>72</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>73</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>74</sup> “Multi-Agent Control: Probabilistic Reasoning, Optimal Co-ordination, Stability Analysis and Controller Design for intelligent hybrid systems”. University of Glasgow, Department of Computer Science. <http://www.dcs.gla.ac.uk/mac/EUdetails.htm>. 27 January 2007. And; “Newsletter, Grants”. University of Glasgow Newsletter: Issue 217. <http://www.gla.ac.uk:443/newsletter/217/html/research2.html>. 02 May 2007.
- <sup>75</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>76</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>77</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>78</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>79</sup> “2<sup>nd</sup> International Conference on Advanced Engineering Design”. University of Glasgow, Faculty of Engineering. <http://www.eng.gla.ac.uk/aed/>. 27 January 2007. And; “Czech Ambassador opens international engineering conference at Glasgow”. University of Glasgow’s Newsletter October 2001: Issue 231. <http://www.gla.ac.uk:443/newsdesk/newsletter/231/html/research6.html>. 27 January 2007.
- <sup>80</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>81</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>82</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>83</sup> Clare Reilly. Freedom of Information Secretary, University of Glasgow. 8 May 2006. Sent to Fellowship of Reconciliation.
- <sup>84</sup> “EPSRC Supporting Collaboration”. Dialogues, May 2006: Research and Enterprise Office. [www.dialogues.gla.ac.uk/nws/KTP-Research-Councils-May-06/EPSRC.pdf](http://www.dialogues.gla.ac.uk/nws/KTP-Research-Councils-May-06/EPSRC.pdf). 27 January 2007, Slide 8.
- <sup>85</sup> Clare Johnson. Freedom of Information Officer, University of Glasgow. 6 April 2006. Sent to Fellowship of Reconciliation.