




















EDUCATION AND SKILLS STRATEGIES, PUBLICATIONS AND POLICY RESPONSES

ENGINEERING COUNCIL		
"The Approval of Qualifications and Apprenticeships", Engineering Council, March 2015.	 20150302_WEBSITE EDITION_PEI_Approv	 20150317_Technician_Learning_Outcome
"The 2013 -2014 and 2015 - 2017 Technician Strategies", Engineering Council, January 2013 and January 2015.	 Engineering Council Strategic Plan 2012	 Engineering Council Strategic Plan 2015
"The Engineering Gateways Workshop", Engineering Council, September 2013	Click here for documents	
"The Richard Review of Apprenticeships", Engineering Council response to <i>The Richard Review of Apprenticeships, BIS Policy Paper</i> , November 2012.	 130522 Future of Apprenticeships in En	
NUCLEAR ISLAND		
The Nuclear Island Project: You Tube clips (2012)	Click Here for Videos	
The Big Rig: Nuclear Island Project (2012)	Click here for further information	
"Enhancing Engineering Education: Outputs of the National HE STEM Programme", Caroline D Sudworth , Clive Smith, Alison Ahearn, Mark Wenman, Robin Holdsworth; <i>Royal Academy of Engineering</i> , July 2012, pages 111-116.	 Enhancing_Engineering_Higher_Education	
"Building the Nuclear Island", Caroline D Sudworth , Clive Smith, Alison Ahearn, Mark Wenman, Robin Holdsworth, <i>Royal Academy of Engineering/National HE STEM programme</i> , October 2012.	 Building the nuclear island.pdf	
"The Nuclear Island", Caroline D Sudworth , Clive Smith, Alison Ahearn, Mark Wenman, Robin Holdsworth, <i>Royal Academy of Engineering/National HE STEM programme</i> , December 2011.	 The_Nuclear_Island.pdf	
COGENT SECTOR SKILLS COUNCIL		
"Industrial Placements in the Life Science Sector: The Evidence Base and Strategy for the Future", Caroline D Sudworth for <i>Life Sciences Advisory Council; Office of Life Sciences (BIS)</i> : June 2012.	 Placements Evidence Report 27April 12_fir	
"Higher Education in STEM Subjects", Cogent response to <i>House of Lords Select Committee, Lords Science and Technology Committee</i> , December 2011.	Click here for written evidence . Click here for oral evidence .	
"Cogent Response to Skills Commission: Inquiry into technician and higher level skills", Caroline D Sudworth , <i>Cogent SSC</i> , May 2011.	 Technical Skills Cogent Final Report.1	
"Draft Standards for New Registers in Science", Cogent response to <i>The Science Council</i> , May 2011.	 Cogent Response to Draft Standards.pdf	
"TechLife 2020: Technicians for the Life Science Sector", Caroline D Sudworth , <i>Cogent SSC</i> , October 2010.	 Final TechLife 2020 Summary.pdf	
"Technically Higher: Securing Skills for Science and Innovation", Caroline D Sudworth , <i>Cogent SSC</i> , December 2009.	 Technically Higher - Original PDF.pdf	 Technically Higher Annex.pdf
"Higher Education at Work: High Skills, High Value", Cogent Response to DIUS, July 2008.	 HLSS_response_Cogent_FINAL.pdf	

CONTRIBUTIONS TO EDUCATION AND SKILLS PUBLICATIONS

"FE STEM Data Project – November 2012 Report", Matthew Harrison, <i>Royal Academy of Engineering</i> , November 2012 .	 FE-STEM-data-report-2012.pdf
"FE STEM Data Project – July 2011 Report", Matthew Harrison, <i>Royal Academy of Engineering</i> , July 2011 .	 FE-STEM-Data-report-2011.pdf
"Respected: Technical Qualifications Selected for Use in University Technical Colleges", Matthew Harrison, <i>Royal Academy of Engineering</i> , 2011 .	 Respected.pdf
"Technical Education for the 21 st Century", Conference Report, <i>Edge and Gatsby Charitable Foundation</i> , December 2010 .	 Technical Education in the 21st Century_C

PEER REVIEWED PUBLICATIONS

"Interference effects in optical coherence tomography (OCT)", Christopher D Russell, Tim J Bullough, Caroline D Sudworth , <i>Optics Communications</i> , 260 : 355-362, 2006 .
"Advances in Raman Spectroscopy for the Diagnosis of Alzheimer's Disease", Caroline D Sudworth , John K J Archer, Richard A Black, David Mann, <i>Proc. SPIE</i> , 6093 : 139-146, 2006 .
"Principle Components Analysis of Raman Spectra to Aid the Diagnosis of Alzheimer's Disease", John KJ Archer, Richard A Black, David Mann, Caroline D Sudworth, <i>Lasers In Medical Science</i> , 20 : B10, 2005 .
"The Potential Use of Raman Spectroscopy for the Diagnosis of Alzheimer's Disease", CD Sudworth , JKJ Archer, D Mann, <i>Proc. SPIE</i> , 5969 : 312-321, 2005 .
"Near Infrared Raman Spectroscopy for Alzheimer's Disease Detection", CD Sudworth , JKJ Archer, D Mann, <i>Proc. SPIE</i> , 5862 : 12-19, 2005 .
"Signal processing techniques for OCT images of human tissue", CD Russell, CD Sudworth , T Bullough, N Krasner, M Haqqani, A Deakin and GR Jones, <i>Proc. SPIE</i> , 5861 : 78-83, 2005 .
"Raman Spectroscopy of Alzheimer's Diseased Tissue", CD Sudworth and N Krasner, <i>Proc. SPIE</i> , 5321 : 93-101, 2004 .
"Fluorescence Dynamics of ALA-induced PpIX in Normal and Malignant Skin Cells", CD Sudworth , MR Stringer, JE Cruse-Sawyer, and SB Brown, <i>Proc. SPIE</i> , 5142 : 18-29, 2003 .
"Optical Properties of Tissue measured using Terahertz Pulsed Imaging", E Berry, AJ Fitzgerald, NN Zinov'ev, GC Walker, SH Vanniasinkham, CD Sudworth , RE Miles, JM Chamberlain, and MA Smith, <i>Proc. SPIE</i> : 5030 , 459-470, 2003 .
"Optical Properties of Tissue at Terahertz Frequencies", CD Sudworth , AJ Fitzgerald, E Berry, NN Zinov'ev, SH Vanniasinkham, RE Miles, JM Chamberlain and M Smith, <i>Proc. SPIE</i> : 5142 , 59-68, 2003 .
"Identification of Tooth Abnormalities using Terahertz Imaging and Spectroscopy", NN Zinov'ev, CD Sudworth , SM Strafford, DJ Wood, FA Carmichael, RE Miles, MA Smith, <i>Proc SPIE</i> : 5141 , 196-201, 2003 .
"Fluorescence microspectroscopy technique for the study of intracellular protoporphyrin IX dynamics", Caroline D Sudworth , Mark R Stringer, Janet E Cruse-Sawyer, and Stanley B Brown, <i>Applied Spectroscopy</i> , 57 (6), 682-688, 2003 .
"Ultraviolet resonance Raman study of the avidin biotin complex", J Clarkson, C D Sudworth , S I Masca, D N Batchelder, D A Smith, <i>Journal of Raman Spectroscopy</i> , 31 (5): 373-375, 2000 .