

1. PERSONAL RECORD

Name: Dr David Laurence Higgitt
Date of Birth: 9 March 1965
Current Position: Professor
National University of Singapore
Family Status: Married, two children

Education and Qualifications

1987-1990 University of Exeter
PhD in Geography, Faculty of Science, NERC Studentship
"The use of caesium-137 measurements in erosion investigations."
1984-1987 University of Oxford (Keble College)
BA (Hons) in Geography
First Class Honour Moderations, 1985
First Class Honours, 1987.
1976-1983 King Edward's School, Birmingham.
4 A Levels: Geography (A), Mathematics (A), Economics (A), General Studies (A).

Employment and Appointments

2003-present **NATIONAL UNIVERSITY OF SINGAPORE**
2009-present Professor of Physical Geography (with Tenure)
2003-2009 Associate Professor
2001 and 2003 Visiting Fellow, Visiting Senior Fellow
1994-2003 **UNIVERSITY OF DURHAM, UK**
2001-2003 Senior Lecturer in Geography
(Convenor of the Earth Surface Systems Research Group)
1994-2001 Lecturer in Geography
1990-1994 **LANCASTER UNIVERSITY, UK**
Lecturer in Geography
1987-1990 **UNIVERSITY OF EXETER, UK**
Natural Environment Research Council funded research student

Prizes and Awards

2008	Faculty Teaching Excellence Award, National University of Singapore
2007	Faculty Teaching Excellence Award, National University of Singapore
2006	Faculty Teaching Excellence Award, National University of Singapore
2006	Visiting Fellowship, University of Queensland, Australia
2001	Gordon Warwick Award of the British Geomorphological Research Group (for contribution to geomorphological research excellence)
2001	University of Durham Excellence in Teaching Award
2001	Hwa Ying Visiting Scholar, Nanjing University, China
1997	Nanjing University Distinguished Visitor Award
1987	Herbertson Dissertation Prize (proxime accessit), University of Oxford
1985-7	Scholarship, Keble College, University of Oxford

2. RESEARCH IMPACT

Research Interests

My research is concerned with the interaction between environmental change and earth surface processes. In particular, attention is focussed on sediment delivery processes – the temporal and spatial dynamics of sediment production and transfer and the extent to which it is sensitive to environmental change. This work encompasses themes of soil erosion assessment, construction of fluvial sediment and nutrient budgets and the interactions between erosion processes and surface characteristics. While understanding the nature and expression of earth surface processes is a rewarding task in its own right, my research programme is concerned with applying the results of geomorphological investigations to environmental management. A fourth theme of my work is therefore sustainability science. In addition to my scientific research interests I have a long track record in pedagogical research concerned with education and educational leadership in the environmental arena. This pedagogic research is intertwined with my broader interest in environmental sustainability where the boundary between teaching and research is fuzzy and each activity supports the other.

3. RESEARCH ACTIVITY

Research Students Supervised

Full time

2010-	Wisa Wisesjindawat Fink, PhD Participatory GIS for environmental management
2009-	Oon, Pei Shan, Stacy, M.Soc Sci Holocene environmental change in Singapore

- 2008- Win, Swe Hlaing PhD. Environmental change in Myanmar; funded by FASS, NUS
- 2006- Lam Ruixiang, Daryl M.SocSci. Predicting sediment flux in Marina Bay, Singapore; funded by Tropical Marine Science Institute, NUS (completed August 2008).
- 1999-2002 Holliday, V. Sediment transfer mechanisms in upland catchments, funded by European Union. Completed within 4 years.
- 1999-2002 Rosser, N. Hydrological processes and slope evolution on stone-covered slopes, Jordan, funded by University of Durham. Completed within 3 years.
- 1998-2002 Mills, A. Peat slide dynamics and mechanisms, funded by University of Durham. Completed within 4 years.
- 1994-1998 Dunsford, H. The response of alluvial fans and debris cones to changes in sediment supply, Upland Britain. Funded by University of Durham (Isabel Fleck Scholarship). Completed within 4 years.
- 1994-1998 Lu, X. Soil erosion and sediment yield in the Upper Yangtze China. Funded by Overseas Research Studentship. Completed within 4 years.

Research Grants and Income Generation

External Awards

- 2010 **National Parks Board**, Singapore: Stream Acidification in the Central Catchments S\$150,000 D.Higgitt (PI) (awaiting signing from ILO)
- 2008 **Ministry of Education**, Singapore: Promoting Geospatial Literacy and Environmental Awareness with Participatory GIS. IDM Programme S\$590,640 D. Higgitt (PI). 3 years
- 2008 **Singapore Delft Water Alliance**: Marine Abiotic Programme: Turbidity in Coastal Waters Work Package S\$914,000. Liew Soo Chin (PI). D Higgitt leading package on terrestrial sediment input.
- 2008 **CENSAM (MIT Alliance)**: Cyberinfrastructure for Environmental Modelling. J. Harward, MIT (PI), D. Higgitt (co-PI). S\$85,000 for NUS component.
- 2007 **SEA-START** Water, sediment and carbon flux from large rivers to the South China Sea: A case study of the Pearl River. Lu Xixi, D. Higgitt, S.Zhang US\$15,000. 1.5 years
- 2006 **Public Utilities Board (PUB)**, Singapore: Fate and characteristics of sediments in marginal catchments of Singapore: Implications for reservoir development. J. Obbard (PI) D. Higgitt co-PI. S\$225,000. 3 years
- 2006 **Royal Geographical Society (with the Institute of British Geographers)** Expedition Award: Closing the mass balance of the Himalayas – Irrawaddy and Salween sediment loads, Myanmar. Michael Bird (PI) 6 co-PIs. £10,000. 1 year
- 2006 **SEA-START** Nutrient dynamics in a headwater tributary in SE Asia: Chatchai Tantasarin (PI). D. Higgitt and 3 others co-investigators. US\$12,000. 1.5 years
- 2005 **SEA-START** Human Impacts on Water, Carbon and Sediment Fluxes in the Southeast Asian Region: Modeling and Field Approaches (IGBP Carbon and Water Project) D Higgitt and Lu Xixi US\$ 20,000. 1.5 years
- 2003 **SEA-START** Modelling spatial and temporal dynamics of sediment and carbon delivery to the South China Sea (IGBP South China Sea Pilot Project). Lu Xixi and D. Higgitt US\$ 19,000. 1.5 years
- 2003 **National University of Singapore**: Quantification of suspended sediment concentration in large Asian rivers by remote sensing. Lu Xixi (PI) **D. Higgitt** (external collaborator) S\$ 51,140. 2 years

- 2001 **National University of Singapore:** Modelling sediment yield in large Asian Rivers. Lu Xixi (PI), **D. Higgitt** (external collaborator) S\$ 54,550. 2 years
- 2000 **Royal Geographical Society (with the Institute of British Geographers)** Ralph Brown Expedition Award: Yangtze 2000. **D. Higgitt** (Main applicant), £5,000. 1 year
- 1999 **European Union Framework 4:** WARMICE Water Management in a Changing Environment: Impacts of Sediment on Sustainability, , 1999-2001. Lead Institution: University of Durham - S. White (co-ordinator), **D. Higgitt**, J. Warburton. Partner Institutions, Institute of Pyrenean Ecology, Spain; Institute of Water Management and Hydraulic Engineering, Austria. 450,000 ECU. 3 years
- 1999 **European Union Concerted Action INCO-DC:** Agriculture and Urbanisation in the Mediterranean Region: Enabling Policies for Sustainable Use of Soil and Water, 350,000 ECU, 1999-2002. Lead Institutions: Centre International de Hautes Etudes Agronomiques Mediterraneennes, Paris, France and Polytechnic of Bari, Italy. **D. Higgitt** is the UK partner in project. 4 years
- 1997 **HSBC Holdings** Small Grant Scheme: Interaction of erosion and acidification in land degradation, Southern China, £1000. **D. Higgitt** (individual award). 1 year
- 1997 **Royal Society** Conference Grant to attend International Association of Geomorphologists Conference, £550.
- 1996 **NERC AMS / Radiometric Radiocarbon Dating Allocation:** No 663/00896 £7,000. R. Allison, **D. Higgitt**, H. Dunsford.
- 1992 **British Council Academic Links with China Scheme:** Soil Erosion and Land Degradation in subtropical southern China. **D Higgitt** (then Lancaster University) and Bao Haosheng, Nanjing University, £7,000, 4 years.
- 1991 **Scottish Natural Heritage** Wilf Nelson Rum Bursary (field visit, fluvial geomorphology), £100. 1 year
- 1987 **NERC** Studentship, University of Exeter 1987-1990. (3 years)
- 1987 **Griffith Travel Bursary**, Keble College Oxford (to support fieldwork in China), £1500. 1 year

Internal Research Awards

- 2009 **National University of Singapore**, International Relations Office. Support for Workshop for IARU Low Carbon Cities Project, S\$6,500
- 2007 **National University of Singapore** FASS FRC Conference Organisation Grant: International Association of Geomorphologists, Malaysia. S\$ 19,200. 1 year
- 2006 **National University of Singapore** Environmental Engineering Seedfund. Fate and Transport of Contaminants in Coastal Water Catchments of Singapore. S\$ 250,000. PI A/P Jeff Obbard, DESE. 10 co-PIs. 3 years
- 2005 **National University of Singapore** FASS FRC Workshops on Environmental Processes and Change in the Tropics and on River Basin Dynamics S\$ 12,400. 1 year
- 2004 **National University of Singapore** FASS FRC Sediment and Biogeochemical fluxes in tropical forest catchments: A sediment budget approach. **D.Higgitt** (PI) S\$ 50,000. 2 years
- 1998 University of Durham **Special Equipment Fund** Impacts of sediment delivery on water resource management **D. Higgitt**, Y. Zong, £14000.
- 1997 University of Durham **Special Equipment Fund** Environmental magnetism in sediment tracing and stratigraphical applications **D.Higgitt**, J. Warburton, T. Burt, W. Austin, £3700
- 1997 University of Durham **Special Equipment Fund** Integrated data acquisition system for Earth Surface Systems research, J.Warburton, **D.Higgitt** and R. Allison, £12427

- 1996 University of Durham **Young Staff Award** Strategies for the assessment and rehabilitation of land degradation, £5000. 2 years
- 1995 University of Durham **Special Equipment Fund** Sediment production, transfer dynamics and hillslope development in arid environments **D Higgitt**, J. Warburton, R. Allison, £13000
- 1994 University of Durham **Special Equipment Fund** Weathering, sediment production and transfer dynamics, R. Allison, **D.Higgitt**, J. Warburton, D. Donoghue, Y. Zong, £30000.

Funding for Applied Research and Consultancy

- 1996 **L.G. Mouchel Engineering** – Shoreline Management Plan (Geomorphology and Geology, Saltburn to Flamborough Head) (with R. Allison), £5600
- 1995 **Dulas Environmental** - Geomorphological site assessment (II) for wind farm proposal (with R. Allison), £3335
- 1994 **Dulas Environmental** – Geomorphological site assessment (I) for wind farm proposal (with R. Allison), £1880
- 1993 **National Trust and Lancaster University Archaeological Service** – Erosion assessment, Great Langdale, Cumbria, £350

Teaching Development Grants

- 2008 **National University of Singapore**, International Relations Office. To run undergraduate fieldtrip in Sarawak (ASEAN Summer Programme) S\$27,000
- 2007 **National University of Singapore**, International Relations Office. To run undergraduate fieldtrip in Sabah (ASEAN Summer Programme) S\$30,000
- 2002 **HEFCE** (FDTL 39/99) Integrating Work-Related Learning into the Curriculum. Fieldwork Practice: £2500 D Higgitt (individual award as sub-project of “Real World” coordinated by University of Newcastle, UK). 2 years
- 2002 **Durham Research Projects in Learning and Teaching**: Effective fieldwork – evidence and enhancement: £3676. **D. Higgitt** (individual award)
- 2001 **Durham Excellence in Teaching Award**: £10000 **D. Higgitt** (individual award)
- 1998 **TLIAG** (Durham) Developing Self-paced Courseware in Level One Geography: Phase 2, £3530, 1998-9. **D. Higgitt** (individual award)
- 1998 **European Union**: EU-China Higher Education Programme. Contract holder for 12 month visiting studentship, 1998-9.
- 1996 **TLIAG** (Durham) Developing and Augmenting Self-paced Courseware in Level One Geography, £3329, 1996-7. **D. Higgitt** (individual award)
- 1995 **Teaching and Learning Technology Programme Phase 2** Contributor to GeographyCAL project, co-ordinated by University of Leicester CTI Centre for Geography and Meteorology.
- 1992 **Teaching and Learning Technology Programme Phase 1** Novel Approaches to Teaching Quantitative Methods to Geography Undergraduates Geography NW Consortium – University of Liverpool (lead), Lancaster University, University of Manchester, £163000, 1992-95. **D. Higgitt** co-ordinator of Lancaster contribution. 3 years.
- 1992 **Enterprise in Higher Education** (Lancaster University) Improving fieldwork provision for increasing student numbers, £10000. **D. Higgitt** (Individual award) 1 year

Leadership in National and International Organisations

International Association of Geomorphologists: Executive Committee Member (2005-2009 and 2009-2013) – responsibility for media relations and SE Asia

Asia Oceania Geosciences Society: Member of Council (2007-2011)
Treasurer (and Exec Committee member for 2008-2020)

British Geomorphological Research Group: Executive Committee Member (1996-1999)
Editor of *Geophemera*

Membership of Editorial Boards

Journal of Geography in Higher Education (published by Routledge Journals)
Co-Editor (2002 to present). Editorial Board member since 1997.

JGHE is committed to promote, enhance and share geography learning and teaching in all institutions of higher education throughout the world, and provides a forum for geographers and others, regardless of the specialisms, to discuss common educational interests, to present the results of educational research, and to advocate new ideas impacting on Geography and cognate disciplines. It published three issues per year.

Impact factor = 1.321 (in 2006 ISI Journal Citation Reports) 15/39 (Geography) and 12/100 (Education and Educational Research);

Singapore Journal of Tropical Geography (published by Blackwells)

SJTG is an international, multidisciplinary journal jointly published three times a year by the Department of Geography, National University of Singapore, and Blackwell Publishing. The *SJTG* provides a forum for discussion of problems and issues in the tropical world.

Impact Factor = 0.872 (in 2006 ISI Journal Citation Reports) 26/39 (Geography)

Geography Compass (published online by Blackwells)

Geography Compass publishes peer-reviewed surveys of the most important research and current thinking from across the discipline. It publishes articles that are both theoretical and practical in orientation, or concerned with methodology, as well as issue-oriented reviews. The journal's emphasis is upon state-of-the-art reviews, supported by a comprehensive bibliography and accessible to an international readership of geographers and scholars in related disciplines. I am on the editorial team of the Environment and Society section.

Membership of Conference Committees

Co-Chair, Local Advisory Committee: 6th Annual Asia Oceania Geosciences Conference, Suntec City, Singapore, August 2009.

Main Organiser and Chair: International Association of Geomorphologists regional Conference, Kota Kinabalu, Malaysia, June 2007.

Invited Session Convenor: 7th International Geomorphology Conference, Melbourne, Australia, July 2009.

Convenor Session on Education for Sustainable Development, IGU Congress, Glasgow (special issue produced), August 2004.

Convenor Session on Education for Sustainable Development, RGS-IBG Annual Conference, London (special issue produced), September 2003.

- Conference Session Chair: Erosion and Sediment Transport in Nutrient and Contaminant Transfer, Waterloo, Canada (International Association of Hydrological Sciences), July 2000.
- Conference Session Chair: Interdependency between Agriculture and Urbanization, Tunis, Tunisia (EU Concerted Action Workshop), April 2000.
- Convenor of Symposium on “Geomorphological Processes in the Last 1000 Years” RGS-IBG Annual Conference (book produced), January 2000.

Invited Presentations

Keynote Lectures

- Invited Keynote at Brazilian Geomorphologists’ Conference, Recife, Brazil, September 2010
- EU Conference “Local Resources and Global Trades – Environments and Agriculture in the Mediterranean Region”, Rabat, Morocco, April 2002.
- Keynote Lecturer International Association of Geomorphologists Yangtze Fluvial Conference, Shanghai, China, November 1999

Other Invited Conference Presentations

- “Landslide Hazards” AOGS Public Lecture Series, Singapore, Temasek JC, July 2009
- “United Nations Decade of Education for Sustainable Development” Singapore National Sustainability Conference, February 2009.
- “Promoting geospatial literacy with participatory GIS” 4th International Conference on Multimodality (4-ICOM), Singapore Management University, 30 July 2008
- “Communicating Environmental Change” Southeast Asian Geographical Association International Forum, National Library, Singapore, 28 July 2007. Invited speaker for panel on Education, Environment and Media.
- “Living with natural hazards – the role of the media” Southeast Asian Geographical Association Conference, Singapore 28 November 2006. Invited speaker for panel on Living with Natural Hazards

Invited University Research Seminars and Guest Lectures

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| 2010 | FASS Lecture Series, NUS |
| 2010 | Singapore Delft Water Alliance Seminar Series, NUS |
| 2008 | University of North Carolina, Chapel Hill (Department of Geography) |
| 2007 | NUS School of Design and Environment MEM Programme |
| 2006 | Macquarie University, Australia (Department of Physical Geography) |
| 2006 | Queensland Department of Natural Resources and Mining, Rockhampton |
| 2006 | Monash University, Australia (School of Geography & Environmental Sciences) |
| 2006 | University of Queensland (School of Geography, Planning & Architecture) |
| 2005 | NUS Faculty of Science Frontiers in Science Symposium (NUS, NTU, Taiwan and Nanjing University) |
| 2003 | University of Hull, UK (Department of Geography) |
| 2003 | University of Manchester, UK (Department of Geography) |
| 2003 | National University of Singapore (Department of Geography) |
| 2002 | Miami University, Ohio, USA (Department of Geography) |
| 2002 | University of Kentucky, Lexington, USA (Department of Geography) |
| 2001 | East China Normal University, Shanghai, China (College of Natural Resources) |
| 2001 | Institute of Limnology and Geography, Chinese Academy of Sciences, Nanjing, China |

- 2001 Nanjing University, China (Department of Urban and Resources Management)
- 2001 National University of Singapore (Department of Geography)
- 2000 University of Dundee (Department of Geography)
- 2000 University of Nottingham (Department of Geography)
- 1999 University of Exeter (Department of Geography)
- 1997 Nanjing University, China (Department of Urban Resources and Environment)
- 1995 University of Oxford (School of Geography)
- 1993 University of Durham (Department of Geography – prior to appointment)
- 1992 University of Liverpool (Environmental Magnetism Group)
- 1991 Lancaster University (Division of Environmental Sciences)
- 1988 Institute of Loess and Quaternary Research, Chinese Academy of Sciences, Xian, China
- 1988 Sichuan University, Chengdu, China (Department of Physics)

Significant Invited Research Contributions

2006	Invited Contributor to Millennium Assessment Series for South East Asia (published 2009)
2005	Invited Contributor to Encyclopaedia of Water Science (published by Dekker, 2006)
2002	Invited Contributor to International Association of Geomorphologists Encyclopaedia of Geomorphology (published by Routledge, 2004)
2001	Invited Contributor to UNESCO Encyclopaedia of Urban Sustainability (edited by Saskia Sassen, 2004)
2000	Invited to Steering Group Meeting of EU Concerted Action Programme on Interdependency between Agriculture and Erosion, Bari, Italy.
1999	Invited Contributor to the Encyclopaedic Dictionary of Physical Geography (published by Blackwell, 2001).

4. TEACHING AND LEARNING

TEACHING HISTORY

Courses Taught at NUS

Level	Title / Description
Postgraduate	GE6216 Changing Nature of Physical Geography GE6770 Graduate Research Seminar GE5217 Environmental Research Methods
Level 4000	GE4101 Development of Geographic Thought GE4211 Catchment Processes and Management GE4880A Topics in Geography (Fieldcourse module)
Level 3000	GE3221 Ecological Processes GE3223 Environmental Change in the Tropics GE3231 Natural Hazards GE3239 Environmental Sustainability
Level 2000	GE2219 Climate, Water and Environment
Level 1000	GE1101E Place, Nature and Society

Courses Taught at University of Durham since 2000

Level	Title / Description
Postgraduate	Contributor to Postgraduate Research Training and Methods Course
Level 4	M.Sc. Geomorphology and Environmental Change: lectures, practicals, field classes, dissertation supervision (and Acting Director Jan-Sept, 2000)
Undergraduate Level 3	Convenor, Integrated Catchment Management
Level 2	Convenor, Drylands Convenor, Karst, Contributor to Geographical Research
Level 1	Convenor, Physical Geography, Convenor, IT for Geographers.

Examining Experience

Appointed External Examiner for Physical Geography and Environmental Management degrees, University of Gloucester (but unable to take up due to move to Singapore)

External Assessor, Diploma in Upland Management, Craven College, North Yorkshire (1992-95)

Moderator, Managing the Environment Unit, Open College for the NW (HE Access Course) (1990-93)

Internal Examiner for 5 PhD / MPhil theses in UK
Internal Examiner for 4 PhD and 2 Masters theses at NUS

Case for Teaching Excellence

Awarded University of Durham Excellence in Teaching Award, 2001
Awarded Faculty of Arts and Social Sciences, NUS, Excellent Teacher Award, 2006, 2007, 2008

The claim for excellence was made on the basis of three types of evidence:

- Commitment to teaching innovation and professional development (including grants received for teaching development)
- Publications related to good practice in learning and teaching
- Contribution to national and international initiatives in higher education (with particular emphasis on fieldwork design)

Contribution to Professional Journal and Discipline Networks

Steering Group of LTSN-GEES (2003-2004)

Joint Editor of *Journal of Geography in Higher Education* (from September 2002); Editorial Board Member 1995-present. JGHE is an international journal which publishes subject-specific papers about HE issues and practice.

Secretary of the Higher Education Research Group (of the Royal Geographical Society/Institute of British Geographers) (1999-2003).

Involvement in INLT (the International Network for Learning and Teaching in Geography) including the co-authoring of web-discussion paper on fieldwork practices and coordination of fieldwork project

Involvement in two TLTP projects on design of Computer Assisted Learning materials.

Invited by LTSN-GEES (Learning and Teaching Network for Geography Earth and Environmental Sciences) to be trained to run pedagogic workshops

Published several journal articles (see publication list) and a regular column for a Geography A-Level magazine.

5. ADMINISTRATION and SERVICE

Media

I am in strong demand in Singapore as a media commentator on environmental news stories (earthquakes, volcanoes, haze, climate change). I contribute several TV, radio and newspaper interviews per year and advise TV production companies on technical content. Most recent appearance concerned with flooding on Orchard Road (ChannelNewsAsia, July 2010).

Membership of Committees and Working Groups

University and Faculty Administrative Responsibilities

- Senate Delegacy (elected from July 2010)
- Faculty Curriculum Review Committee (2005-07)
- Crisis Management Team (Department representative)
- Interviewer, Discretionary Admission Exercise (2008-2010)
- Faculty Promotion and Tenure Committee (from July 2010)

Departmental Administrative Responsibilities

- Deputy Head (January to June 2010)
- Co-ordinator: Research Group in Tropical Environmental Change
- Teaching Evaluation Subcommittee
- Research/Teaching Strategies
- Undergraduate Advisor (Honours co-ordinator)
- Geo Lab (co-ordinator)
- Graduate Committee
- Laboratory/Departmental Equipment
- Journal Classification Subcommittee
- Department Strategy Committee

Administrative Duties at University of Durham (previous appointment)

2003	Evaluation Panel for University Excellence in Teaching Awards, 2003
2002	Convenor, Earth Surface Systems Research Group
2001-2003	Undergraduate Admissions Tutor
2000-	Departmental Internationalisation Group (DIG) a new committee to encourage research collaboration with overseas universities and to oversee exchange programmes. Department representative on University of California Exchange Programme and established student exchange with NUS.
2000-	Member of Appointment Panels for Geography, Wolfson Institute and International Office
1999-2001	Director of Services - responsible for room allocation, departmental laboratories and facilities. Elected position represented on DMG (Departmental Management Group)
1999-2002	Member of DMG (Department Management Group)
1999-2001	Chair, Laboratory, Equipment and IT Committee
2000	Acting Director, MSc in Geomorphology and Environmental Management
1998-2000	Chair, Health and Safety Committee
1997-2000	University Radiation Protection Committee, member
1996-2000	Department Safety Officer
1996-1999	Secretary of Hatfield College Meeting
1996-1999	Research Postgraduates - Recruitment and Admissions (recruitment of research postgraduates doubled during this period)
1994-2000	College Tutor, Hatfield College
1994-1997	Department Joint Consultative Committee

Administrative Duties at Lancaster University (previous appointment)

1993-1994	Director, Environmental Management BSc degree
1993	Director of Part 1 studies
1992	UG Admissions Officer
1992-1994	Department Research Committee
1992-1994	Elected Representative on University Court
1991-1994	Department Laboratory and Safety Officer
1990-1994	Dean, Furness College
1990-1994	University Disciplinary Committee

The wide range of experience and significant load of administrative responsibilities indicate that I have been trusted with many strategic developments.

David L. Higgitt

Publication List

- Higgitt, D.L. 2010 Sediment delivery and environmental change in Asian Rivers: Linking archives with field investigations. *Advances in Geosciences*, 17, 123-134.
- Higgitt, D.L. 2010 Continental-scale river basins. In: Burt, T.P. and Allison, R.J. (eds) *Sediment Cascades*, pp 377-402 (Chichester: Wiley-Blackwell)
- Higgitt, D.L. 2010 Geomorphic hazards and sustainable development. In: Alcantara-Ayala, I. and Goudie, A.S. (eds) *Geomorphological Hazards and Disaster Prevention*, pp. 257-268 (Cambridge: Cambridge University Press).
- Higgitt, D.L. 2010 Transition and renewal. *Journal of Geography in Higher Education*, 34(1), pp 1-5.
- Lu, X.X. and Higgitt, D.L. 2009 Soil erosion, landslides and sediment yields. In: Lebel, L., Snidvongs, A., Chen, A. C-T. and Daniel, R. (eds) *Critical States: Environmental Challenges to Development in Southeast Asia*, pp. 253-267 (Petaling Jaya: Strategic Information and Research Development Centre).
- Zhang, S.R., Lu, X. X., Sun, H.G., Han, J.T. and Higgitt, D. L. 2009 Major ion chemistry and dissolved inorganic carbon cycling in a human-disturbed mountainous river (the Luodingjiang River) of the Zhujiang (Pearl River), China. *Science of the Total Environment*, doi:10.1016/j.scitotenv.2008.12.036 in press.
- Zhang, S.R., Lu, X. X., Sun, H.G., Han, J.T. and Higgitt, D. L. 2009 Geochemical characteristics and fluxes of organic carbon in a human-disturbed mountainous river (the Luodingjiang River) of the Zhujiang (Pearl River), China. *Science of the Total Environment*, 407(2), 815-825.
- Higgitt, D.L. 2008 Approaching the UN Decade of Education for Sustainable Development: prospects and challenges. In: Chalkley, B., Haigh, M.J. and Higgitt, D.L (Eds) *Education for Sustainable Development: Papers in Honour of the United Nations Decade of Education for Sustainable Development (2005-2014)*, pp. 1-12 (London: Routledge).
- Higgitt, D.L. 2008 Geography, technology and society. *Journal of Geography in Higher Education*, 32(1), 1-5.
- Higgitt, D.L. 2008 Catchment management: from engineering to Imagineering. *Innovation (The Magazine of Research & Technology)*, 8(1), 38-40.
- Higgitt, D.L., Donert, K., Healey, M., Klein, P., Solem, M. and Vajoczki, S. 2008 Developing and enhancing international collaborative learning. *Journal of Geography in Higher Education*, 32(1), 121-133.
- Bird M.I., Robinson R.A.J., N. Win Oo, M. Maung Aye, Lu X.X., Higgitt, D.L., A. Swe, T. Tun, S. Lhaing Win, K. Sandar Aye, K. Mi Mi Win and Hoey, T.B. 2008. Preliminary estimate of organic carbon transport by the Ayerawady (Irrawaddy) and Thanlwin (Salween) Rivers of Myanmar. *Quaternary International*, 186, 113-122.
- Chalkley, B., Haigh, M.J. and Higgitt, D.L (Eds) 2008 *Education for Sustainable Development: Papers in Honour of the United Nations Decade of Education for Sustainable Development (2005-2014)* (London: Routledge), 307pp.
- Holliday, V.J., Warburton, J. and Higgitt, D.L. 2008 Historic and contemporary sediment transfer in an upland Pennine catchment, UK. *Earth Surface Processes and Landforms*, 32: 1841-1862.
- Zhang, S.R., Lu, X. X., Higgitt, D. L., Chen, A.C.T., Han, J.T. and Sun, H.G. 2008 Recent changes of water discharge and sediment load in the Zhujiang (Pearl River) Basin, China. *Global and Planetary Change*, 60 (3-4), 365-380.
- Higgitt, D L 2007 Geography in higher education in its place: Calling for interventions. *Journal of Geography in Higher Education*, 31(1), 1-4.
- Higgitt, D L. 2007 The science of scenery. *Asian Geographic*, 38, 7/2007, 33-34.
- Zhang, SR, Lu, X X Higgitt, D L Chen, TA Sun HG and Han, JT 2007 Water chemistry of the Zhujiang (Pearl River): natural processes and anthropogenic influences. *Journal of Geophysical Research*, 112, 1-17.
- Robinson, R. A. J., Bird, M. I. , Nay Win Oo, Hoey, T. B. Maung Maung Aye, Higgitt, D. L., Lu X. X., Aung Swe, Tin Tun and Swe Lhaing Win 2007 The Irrawaddy River sediment

- flux to the Indian Ocean: The original nineteenth-century data revisited, *Journal of Geology*, 115, 629–640.
- Higgitt, D.L. 2006 Making space for education for sustainable development in the enterprise economy. *Journal of Geography in Higher Education*, 30(2), 251-262.
- Higgitt, D.L. 2006 Understanding eruptions. *Asian Geographic*, 37(4/2006), 65-72.
- Higgitt, D.L. and Haigh, M.J. 2006 International advice. *Journal of Geography in Higher Education*, 30(1), 1-5.
- Fuller, I., Edmonson, S., France, D., Higgitt, D.L. and Ratinen, I. 2006 International perspectives on the effectiveness of geography fieldwork for learning. *Journal of Geography in Higher Education*, 30(1), 89-101.
- Lu, X.X. and Higgitt, D.L. 2006 Sediment Load. In: Trimble, S.W. (Ed.) *Encyclopedia of Water Science*, pp. 1-5 (DOI: 10.1081/E-EWS-120038077) (Dekker Encyclopedias: New York).
- Higgitt, D.L. 2005 Out of cite, out of mind? *Journal of Geography in Higher Education*, 29(1), 1-5.
- Higgitt, D.L., Haigh, M.J. and Chalkley, B. 2005 Towards the UN Decade of Education for Sustainable Development: Introduction. *Journal of Geography in Higher Education*, 29(1), 13-17.
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Treasurer, Asia Oceania Geosciences Society (2007-11)
Executive Committee, International Association of Geomorphologists (2005-2013)

Qualifications

1987 University of Oxford, BA(Hons) (First Class)
1990 University of Exeter, PhD (NERC Studentship)

Appointments

1990-1994: Lancaster University (Geography), Lecturer
1994-2003: University of Durham (Geography), Lecturer, promoted to Senior Lecturer (2001)
2003-present: National University of Singapore (Geography), Associate Professor, promoted to Professor (2009)

Prizes and Awards

2001 Gordon Warwick Award of the British Geomorphological Research Group (for contribution to geomorphological research excellence)
2001 Hwa Ying Visiting Scholar, Nanjing University, China
2006 Visiting Fellowship, University of Queensland, Australia
Numerous teaching excellence awards at NUS and Durham.

Research Interests and Record

My research is concerned with the interaction between environmental change and earth surface processes. In particular, attention is focussed on sediment delivery processes – the temporal and spatial dynamics of sediment production and transfer and the extent to which it is sensitive to environmental change. This work encompasses themes of soil erosion assessment, construction of fluvial sediment and nutrient budgets and the interactions between erosion processes and surface characteristics. I have published over 100 papers and generated several external research grants (cumulative total > US\$ 2 million).

Books

Higgitt, D.L. and Lee, E.M. (eds.) 2001 *Geomorphological processes and landscape change: Britain in the last 1000 years*. (Blackwell, Oxford), 297pp.
Chalkley, B., Haigh, M.J. and Higgitt, D.L (Eds) 2008 *Education for Sustainable Development: Papers in Honour of the United Nations Decade of Education for Sustainable Development (2005-2014)* (London: Routledge), 307pp.

Selected Recent Publications

Zhang, S.R., Lu, X. X., Sun, H.G., Han, J.T. and Higgitt, D. L. 2009 Geochemical characteristics and fluxes of organic carbon in a human-disturbed mountainous river (the Luodingjiang River) of the Zhujiang (Pearl River), China. *Science of the Total Environment*, 407(2), 815-825.
Higgitt, D.L. 2008 Geography, technology and society. *Journal of Geography in Higher Education*, 32(1), 1-5.
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Holliday, V.J., Warburton, J. and Higgitt, D.L. 2008 Historic and contemporary sediment transfer in an upland Pennine catchment, UK. *Earth Surface Processes and Landforms*, 32: 1841-1862.
Zhang, SR, Lu, X X Higgitt, D L Chen, TA Sun HG and Han, JT 2007 Water chemistry of the Zhujiang (Pearl River): natural processes and anthropogenic influences. *Journal of Geophysical Research*, 112, 1-17.
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