

Institute of Advanced Studies

Seminars and Workshops

Outcomes

2005 – 2009



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Seminars and Workshops

About the Institute

The University's Institute of Advanced Studies supports a programme of workshops and seminars that draw in scholars from around the world to discuss new research areas.

In 2004, the then Vice-Chancellor, Professor Dowling, agreed to provide £30,000 per year for three years from the University's Strategic Development Fund to launch the Institute of Advanced Studies. Funding was renewed in 2007 for another three years, thus allowing us to sustain workshops through into 2010. This year, the Institute will be asking the University to continue its support for a further period.

Each Autumn, bids have been invited from the university's academic staff for support for short workshops and seminars on leading edge subjects. The Institute's principal objectives in supporting these workshops are to attract international scholars to the University and to encourage new and productive research collaborations. The annual competition calls for bids that are multi-disciplinary, are likely to lead to significant advances, will attract international visitors, and are linked to current research at the University. Five awards of up to £5,000 each are made, conditional on matching funding being obtained from other sources. The Institute also pays an administrator, Mirela Dumic, for one day a week, who assists seminar organisers with arranging their workshops.

The first, pilot, workshop was held in April 2005 and the first competition was held in October 2005. Since then, the Institute has supported 27 workshops on topics that cover the disciplinary spectrum from Engineering to English. In addition to support from the Institute, sponsorship for the costs of the workshops has been obtained from Analyticon, the British Academy, BDO Stoy Hayward, EPSRC, European Commission, the International Council on Mining and Metals, London Mathematical Society, SciSys, QinetiQ, the UNEP/SETAC Life Cycle Initiative, Oxford Centre for Nonlinear PDE and many others. We thank these organisations for their support of our work.

Requests for the Institute's funds are judged by an Advisory Board consisting of Distinguished Professors: Alf Adams, Roland Clift, Greville Corbett, William Gelletly, Josef Kittler, Janet Lansdale (Emeritus) and Jim Lynch. The Institute is very grateful to them for their assistance in reviewing the bids. We expect to appoint new members to the Board in the coming year.

The Institute's website, <http://www.ias.surrey.ac.uk>, includes summary reports from all the workshops. The scale of the success of the Institute's programme can be judged from this booklet, which illustrates the outcomes of many of the workshops.

Nigel Gilbert
Director, IAS



**Distinguished Professors'
Annual Dinner Meeting in
November 2008**

From left: Jim Lynch,
William Gelletly, Josef Kittler,
Greville Corbett, Roland Clift,
Nigel Gilbert (IAS Director)

Not present: Alf Adams and
Janet Lansdale

1. **Modelling Urban Dynamics, April 2005**

Professor Nigel Gilbert, University of Surrey and Dr Elizabeth Bruch, UCLA

Two papers first presented at this workshop were published in Sociological Methods and Research ^{1,2} .

2. **Microbial Systems Biology, July 2005**

Professor Johnjoe McFadden, University of Surrey and Dr Claudio Avignone-Rossa, University of Surrey

A number of publications ^{3, 4, 5, 6, 7, 8, 9, 10, 11, 12} and grants totalling £1.3 million have been generated by research and collaborations after the workshop. One of these grants funded a second workshop on Microbial Systems Biology held in 2008 as part of a UK-Japan partnership funded by the BBSRC (Biotechnology and Biological Sciences Research Council).

'The workshop was a great success. Most of the groups active in microbial systems biology participated in the meeting. This not only stimulated lots of lively discussion during the workshop but it provided new ideas that helped us to initiate several new projects in this field. These projects have been successful in generated both publications and new grants in microbial systems biology.'

(Prof. Johnjoe McFadden)

3. **Theoretical Aspects Of Pattern Formation, September 2005**

Professor Ian Melbourne, University of Surrey, Alastair Rucklidge, University of Leeds and Professor Bjorn Sandstede, University of Surrey

'Bjorn Sandstede and I were invited to organise a Newton Institute satellite meeting at Surrey and the IAS funding was absolutely crucial in making the event viable. In fact it was a great success judging by the reaction of the participants.'

(Professor Ian Melbourne)

4. **Agent-Based Models Of Market Dynamics And Consumer Behaviour, January 2006**

Professor Nigel Gilbert, University of Surrey and Iqbal Adjali, Unilever Corporate Research

The outcome of this workshop was a research grant from Unilever PLC to the Centre for Research in Social Simulation worth £211,000 and a publication ¹³. A follow up workshop was held at the University of Groningen, the Netherlands, on 22 August 2007.

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5. Spatial Audio and Sensory Evaluation Techniques, April 2006 Professor Francis Rumsey, University of Surrey



6. Definition of Best Indicators for Land Use Impacts on Life Cycle Assessment, June 2006

Dr Llorenç Milà i Canals, Dr Sarah J. Cowell, Professor Roland Clift and Professor Jim Lynch.

The workshop was attended by about 40 participants with world-wide coverage. In addition to the full report, a summary report ¹⁴ was produced. The workshop led to a meeting organised for UNEP in Copenhagen in July 2007, and to a follow-up workshop in Boston in September 2009.

'The workshop was instrumental in promoting further developments in the topic of the conference.'
(Professor Roland Clift)

'From my perspective, the workshop was very interesting, since we had experts from different fields that provided new viewpoints regarding our intention of developing indicators for land use in LCA.'
(participant)



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7. Globalizing Retail - Transnational Retail, Supply Chains & The Global Economy, July 2006

Professor Michelle Lowe, University of Surrey and Neil Wrigley, University of Southampton

The outcome of the Globalising Retail Workshop was an editorial for a theme issue of the Journal of Economic Geography ¹⁵, which contained a number of papers from the 1996 meeting.

'I have since worked closely with a number of the workshop's participants and recently held a symposium entitled 'Innovation and Transnational Retailing' at the British Academy of Management Conference in Brighton (15-17 Sept). Some of the work at this symposium was informed by discussions that took place in Surrey'
(Professor Michelle Lowe).



8. Biologically Inspired Information Fusion, August 2006

Dr Matthew Casey, Dr Antony Browne, Dr Paul Sowden and Dr Hujun Yin

The workshop and collaboration with attendees has resulted in a publication ¹⁶ and led to two grant proposals worth £6,300,000 (awaiting decision). Collaboration with Paul Sowden (Surrey, Psychology) has led to a submitted publication ¹⁷.



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9. Advanced Space Vehicle Control, September 2006

Dr Vaios Lappas, Professor Sir Martin Sweeting (both of Surrey Space Centre), Christian Philippe (European Space Agency)

'The Advanced Space Vehicle Control workshop was a success and has resulted in creating a strong network of scientists, industry and academia. We used this initial workshop to establish a common ground for future research collaboration. Although there are no direct outputs from the workshop, the relationships created have resulted/contributed to many publications and research grants which we have received from the European Space Agency as well as industry.'

(Dr Vaios Lappas)

Some published papers have benefited from the workshop ^{18, 19, 20}.

10. Hox Genes In Development And Disease, April 2007

Professor Hardev Pandha and Dr Richard Morgan (Department of Oncology, PGMS)

The workshop has resulted in four publications ^{21, 22, 23, 24}.

11. Audio Description For Visually Impaired People, June 2007

Professor Margaret Rogers and Dr Sabine Braun (Centre for Translation Studies, University of Surrey)

A summary of the major outcomes of the seminar was published as a research overview article in a refereed journal ²⁵.

An edited volume which includes selected papers from the seminar has been prepared. The outline for the volume was presented to Benjamins for their prestigious Benjamins Translation Library series. The manuscript is currently being prepared for submission.

Collaborations have been established with leading figures in the field of Audiovisual Translation, including Dr Aline Remael (Antwerp) and Dr Pilar Orero (Barcelona). As a result, Surrey has been invited to contribute to the EU project DTV4ALL, a project focusing on media access (including Audiodescription) and led by Pilar Orero (ongoing).

'Our seminar on audio description went very smoothly and was highly appreciated by the participants, who felt that it was very useful to bring together researchers in this relatively new academic discipline.'

(Dr Sabine Braun)

'I have really enjoyed this seminar and I'm very grateful to the University of Surrey and Margaret and Sabine for inviting me. I feel it has been a great forum for debate and has brought to light many issues that need addressing for future research.'

(PhD student)

12. Young People, New Technologies and Political Engagement, July 2007

Dr Rachel Brooks (Dept. of Political and Policy Studies) and Dr Paul Hodgkinson (Sociology)

The seminar led to a special issue of the Journal of Youth Studies ²⁶, which was published in October 2008.

'It was one of the best conferences I've been to and I really did get an enormous amount out of the discussions. Thanks also for the bursary - it makes a significant difference and I do appreciate it.'

(PhD student, participant)

13. Sleep, Circadian Rhythms And Cognition: Bridging The Genotype-Phenotype Gap, November 2007

Dr Malcolm von Schantz, Dr Simon Archer, Prof. John A Groeger, Prof. Derk-Jan Dijk (Surrey Sleep Research Centre)

Three publications between participants at the workshop from different sites followed the meeting ^{27, 28, 29}. An application for a collaborative grant from the Daiwa Foundation together with one attendee, Professor Toru Takumi from Hiroshima, has been submitted.



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14. Recovery After Work, April 2008

Dr Mark Cropley (Psychology) and Dr Jason Devereux (PGMS)

The output of the workshop has led to an application to the European Science Foundation being approved for developing an international network for collaborative research in the area of worker recovery. The bid was for £524,658 over 5 years for the University of Surrey.

'I would like to thank you again for funding the original workshop.'
(Dr Jason Devereux)



15. From Production To Consumption - Legal And Policy Challenges For A New Approach To Climate Change, April 2008

Surrey European Law Unit, the Environmental Regulatory Research Group and the Centre for Environmental Strategy (CES), including some CES members of the RESOLVE consortium

The main outcome from the workshop has been a publication ³⁰.

16. Investigating The Theory And Practice Of Gender And Sexuality In The Workplace, June 2008

Dr Ann Cronin and Dr Paul Johnson (Sociology), Trevor Welland (Centre for Learning Development) and Dr Helen Allan (Faculty of Health & Medical Sciences)

A special section of Sociological Research Online containing a number of papers presented at the conference will be published in January 2010. This will be co-edited by Dr Ann Cronin, Trevor Welland and Dr Helen Allan.

As a result of the success of the conference a decision was made to reconstitute the European Sociological Association's Research Network on Sexuality, which had not been in operation since 2003.

'Just a note to thank you for pulling together such a great group of colleagues at the Gender, Sexuality, and Work conference. I was honoured to be invited and really fortunate to have had a little time to get to know each of you. Plus, it was fun!'
(Kath Weston, keynote speaker from the USA)

'Thanks for a fantastic conference experience. Everyone was really friendly and supportive, so I'm hoping that's something we can build on.'
(participant)



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17. Investigating Sustainable Practice in Universities: Leading and Improving, September 2008

Centre for Environmental Strategy (CES) and Estates & Facilities Department of the University of Surrey

This practice-oriented conference which attracted almost 200 delegates has produced several outcomes:

- Dr Jacob Mulugetta wrote a sustainability position paper for discussion with the Vice Chancellor and Director of the Estates and Facilities. A new high level sustainability group has now been established. The group held its first meeting in early September 2009.
- Dr Jacob Mulugetta is editing a special issue on 'Low Carbon Communities' for Energy Policy. He is also writing a paper on 'low carbon pathway for Higher Education'. This will be a collaborative effort with University Sustainability Managers.
- In cooperation with Mr John Davis, the University's Sustainability Manager, 35 campus-wide student projects on sustainability issues have been run as part of the UG course on Sustainable Development. The event organisers also worked on another 10 student projects with three schools in Guildford.



18. Her Make Is Perfect: A Seminar Interrogating Women's Dramatic Writing, Text And Performance (1600-1830), September 2008

Professor Rachel Fensham (Dance Studies) and Professor Marion Wynne-Davies (Department of English)

The seminar, Her Make is Perfect, focussed on women and dramatic production in the seventeenth and eighteenth centuries. Part of the seminar was held at Chawton House. There have been three outcomes:

- The papers have been collected into a book proposal being edited by Churnjeet Mahn (Department of English), Kate Chisholm and Kate Napier. The proposal is currently with Ashgate.
- The seminar included performances by the GSA students; the students and their director, Kate Napier, went back to Chawton House and the performances were repeated and filmed. This DVD is currently being edited.
- The group of scholars at the seminar who worked on women writers rather than production decided to pursue and expand this element. Professor Marion Wynne-Davies (Department of English) applied for and was granted a fully-funded seminar slot at the Institute for English Studies at Senate House in London. These seminars will commence in January 2010. The seminar series is Early Modern Women's Drama, 1600-1800.



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19. Creating Infrastructure for Canonical Typology, January 2009

Dr Dunstan Brown, Dr Marina Chumakina and Dr Anna Kibort (Surrey Morphology Group)

- A direct outcome of this was an accepted workshop proposal for the Biennial Conference of the Association for Linguistic Typology in July 2009 at the University of California, Berkeley.
- The commissioning editor for Linguistics at OUP expressed a strong interest in a volume resulting from the workshop and as a result, the manuscript for a book on Canonical Typology has been submitted to OUP, the first of its kind.

'Achieving so much in such a short timescale is very much down to the IAS contribution, allowing us to develop our research programme in a way which is likely to influence our field. Given our current workloads and commitments it would have been very difficult to put on the workshop without the organizational help that the IAS provided. The real value for us, however, was the longer term impact that we have been able to achieve from the IAS-sponsored event. I think it is important that the University appreciate this combined role of IAS in supporting the University's new initiatives and allowing established groups to push forward their research.'

(Dr Dunstan Brown, workshop organiser)

'Thanks for the very nice event. Very well organised, good location, good food/coffee/dinner, a high score on interesting talks and enjoyable atmosphere.'

(Martin Everaert, keynote speaker from the Netherlands)



Recent Events

20. From Animals To Humans: A Multidisciplinary Approach to the Study of Zoonotic Diseases, May 2009

Dr Lisa Roberts (Biosciences), Dr Roberto La Ragione (Veterinary Laboratories Agency) and Prof Prema Arasu (North Carolina State University)

'A great kick-start to the Surrey/NCSSU collaboration.'
(Dr Lisa Roberts)

'The workshop has really helped to move forward the collaboration in this exciting and topical area.'
(Prof John Hay, FHMS)



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21. The Mother War: Current Trends and Critical Discourses, June 2009

Dr Roberta Guerrina (Department of Politics), Dr Helen Allen (Faculty of Health and Medical Sciences), and Dr Lynne Millward Purvis (Department of Psychology)

'Thank you for organising such a wonderful conference – quite the best one I have been to for years and years.'
(participant)

'What a great conference! I am still buzzing! Thanks for all your hard work to make this happen. I hope we will all meet up again at some future event as there was a great atmosphere in the group and a lot of good sharing.'
(participant)



22. Mobility and Creativity: Narrative, Representation and Performance, July 2009

Dr Sarah Gibson and Dr Churnjeet Mahn (Department of English)

I wanted to thank you for a truly wonderful gathering last week. I thoroughly enjoyed our talks and was truly impressed by the high quality organisation you delivered!
(Ginette Verstraete, keynote speaker from the Netherlands)

'I very much enjoyed the conference. My panel was very well organised and generated good discussion around the panel theme. I also enjoyed both the keynotes and the other conference presentations. And the dinner was a treat!'
(participant from Australia)

Forthcoming Events

23. Emerging Interfacial Dynamics, January 2010

Dr Jonathan Bevan and Dr David Lloyd (Department of Mathematics)

24. Corruption in a Globalising World: Challenge And Change, April 2010

Prof. Indra Carr (School of Law) and Prof. David Goss (School of Management)

25. International Intervention: Linking Infrastructure, Governance and Democratisation, 2010

Dr Roberta Guerrina and Sir Mike Aaronson (Department of Politics), Dr Susan Breau (International Law Centre) and Dr Yacob Mulugetta (Centre for Environmental Strategy)

26. Work-Life Balance: Are we Asking the Right Questions?, 2010

Dr Almuth McDowall (Department of Psychology)

27. The Emergence of the Posthuman Subject, 2010

Dr David Ashford and Dr Sophie Blanch (Department of English)

And, Subject to the Availability of Funds in 2010/11:

28. Bismide-Based Semiconductors for Applications in Energy Efficient Electronics and Photonics

Dr Stephen Sweeney (Advanced Technology Institute and Department of Physics)

29. Regulatory Frameworks for Transboundary Aquifers: The Case of the Guarani Aquifer System

(Mr Francesco Sindico, School of Law)

Publications

The following publications have been generated directly from the workshops and from collaborations with participants.

Modelling Urban Dynamics

1. Benenson Itzhak, Erez Hatna, and Ehud Or, From Schelling to Spatially Explicit Modelling of Urban Ethnic and Economic Residential Dynamics, *Sociological Methods & Research* 2009 37:463-497.
2. O'Sullivan, David, Changing Neighbourhoods—Neighborhoods Changing: A Framework for Spatially Explicit Agent-Based Models of Social Systems, *Sociological Methods & Research* 2009 37: 498-530

Microbial Systems Biology

3. Komorowski M, Miekisz J, Kierzek AM Translational repression contributes greater noise to gene expression than transcriptional repression. *Biophysical Journal* 96:372-384 2009.
4. Khannapho C, Zhao H, Bonde BK, Kierzek AM, Avignone-Rossa CA, Bushell ME. Selection of objective function in genome scale flux balance analysis for process feed development in antibiotic production. *Metabolic Engineering* 2008 10(5):227-336.
5. Bushell ME, Sequeira SIP, Khannapho C, Zhao HJ, Chater KF, Butler MJ, Kierzek AM, Avignone-Rossa CA The use of genome scale metabolic flux variability analysis for process feed formulation based on an investigation of the effects of the zwf mutation on antibiotic production in *Streptomyces coelicolor* *Enzyme and Microbial Technology* 39 : 1347-1353 2006
6. Sroka J, Kaczor G, Tyszkiewicz J, Kierzek AM XQTav: an XQuery processor for Taverna environment. *Bioinformatics* 22(10):1280-1281 2006.
7. Chiraphan Khannapho, Hongjuan Zhao, Andrzej M. Kierzek, Claudio A. Avignone-Rossa, Michael E. Bushell (2008). Selection of objective function in genome scale flux balance analysis for process feed development in antibiotic production. *Metabolic Engineering* doi:10.1016/j.ymben.2008.06.003
8. Bushell ME, Kirk S, Zhao H and Avignone-Rossa CA (2006) Manipulation of the physiology of clavulanic acid biosynthesis with the aid of metabolic flux analysis. *Enzyme and Microbial Technology* 39, 149-157.
9. Rozkov, A, Avignone-Rossa C.A., Ertl P.F., Jones P., O'Kennedy R.D., Smith J.J., Dale J.W. Bushell M.E.(2006) Fed batch culture with declining specific growth rate for high-yielding production of a plasmid containing a gene therapy sequence in *Escherichia coli* DH1. *Enzyme and Microbial Technology* 39, 47-50.
10. Bushell, ME, Sequeira, SIP, Khannapho, C, Zhao, H, Chater, KF, Butler, MJ, Kierzek, AM, Avignone-Rossa, CA (2006) The use of genome scale metabolic flux variability analysis for process feed formulation based on an investigation of the effects of the zwf mutation on antibiotic production in *Streptomyces coelicolor*. *Enzyme and Microbial Technology* 39 (2006) 1347–1353.
11. D Beste, T. Hooper, G. S. Stewart, B. Bonde, C. Avignone-Rossa, M. Bushell, P. R. Wheeler, S. Klamt, A. M. Kierzek, and J. J. McFadden. GSMN-TB: a web-based genome scale network model of *Mycobacterium tuberculosis* metabolism. *Genome Biol* 8:R89, 2007.
12. D. J. Beste, E. Laing, B. Bonde, C. Avignone-Rossa, M. E. Bushell, and J. J. McFadden. Transcriptomic analysis identifies growth rate modulation as a component of the adaptation of mycobacteria to survival inside the macrophage. *J.Bacteriol.* 189:3969-3976, 2007.

Agent-Based Models of Market Dynamics and Consumer Behaviour

13. 'Complexities in Markets' of the *Journal of Business Research*, Vol. 60, Issue 8 pp. 813-924 (August 2007), selected papers

Definition of Best Indicators for Land Use Impacts on Life Cycle Assessment

14. Milà i Canals, L., Clift, R., Basson, L., Hansen, Y. and Brandão, M. (2006) Expert Workshop on Land Use Impacts in Life Cycle Assessment (LCA). 12-13 June 2006 Guildford, Surrey (UK). *Int J LCA*, 11(5), pp.363-368.

Globalizing Retail - Transnational Retail, Supply Chains and the Global Economy

15. 2007 'Transnational Retail and the Global Economy' *Journal of Economic Geography* 7, 4, 337-40 (with N. Wrigley), selected papers from the workshop

Biologically Inspired Information Fusion

16. Casey, M.C. & Dampier, R.I. (2009). Guest editors of Information Fusion, Special Issue on Biologically Inspired Information Fusion, vol. 11(1), pp. 2-3, doi 10.1016/j.inffus.2009.04.003.
17. Casey, M.C. & Sowden, P.T. Modelling Learned Categorical Perception in Human Vision. Submitted to Neural Networks, December 2008

Advanced Space Vehicle Control

18. V. Lappas; Bong Wie; C. McInnes; L. Tarabini; Luis Gomes; Kotska Wallace, 'Microsolar Sails for Earth Magnetotail Monitoring', Journal of Spacecraft and Rockets, vol.44, no.4, (840-848), 2007
19. Peck, M., Streetman, B., Saaj, C., Lappas, V., 'Spacecraft Formation Flying using Lorentz Forces', Journal of the British Interplanetary Society, Vol. 60, No. 7, 263-267, July 2007
20. Saaj, C., Lappas, V., Richie, D., Schaub, H., Izzo, D., 'Hybrid Propulsion System for Spacecraft Swarm Reconfiguration Using Coulomb Forces', Journal of the British Interplanetary Society, Vol. 60, No. 7, 268-274, July 2007

Hox Genes in Development and Disease

21. Plowright L, Harrington KJ, Pandha HS, Morgan R. (2009). HOX transcription factors are potential therapeutic targets in non-small-cell lung cancer (targeting HOX genes in lung cancer). Br J Cancer. 100: 470-475.
22. Shears L, Plowright L, Harrington K, Pandha H, Morgan R. (2008). Disrupting the interaction between HOX and PBX causes necrotic and apoptotic cell death in the renal cancer lines CaKi-2 and 769-P. J Urology 180, 2196-2201.
23. Morgan R, Whiting K. (2008). Differential expression of HOX genes upon activation of leukocyte sub-populations. Int J Hematol 87, 246-249.
24. Morgan R, Pirard P, Shears S, Sohal S, Pettengell R and Pandha HS (2007). Antagonism of HOX/PBX dimer formation blocks the in vivo proliferation of melanoma. Cancer Research 67, 5806-5813

Audio Description for Visually Impaired People

25. Braun, S. 2008. Audiodescription research: state of the art and beyond. Translation Studies in the New Millennium 6, 14-30

Young People, New Technologies and Political Engagement

26. A special issue of the Journal of Youth Studies, Volume 11, Issue 5, 2008, Young People, New Technologies And Political Engagement

Sleep, Circadian Rhythms and Cognition: Bridging the Genotype-Phenotype Gap

27. Vandewalle G, Maquet P, Dijk DJ., Light as a modulator of cognitive brain function. Trends Cogn Sci. 2009 Oct;13(10):429-38. Epub 2009 Sep 12, PMID: 19748817 [PubMed - in process]
28. Vandewalle G, Archer SN, Wuillaume C, Baateau E, Degueldre C, Luxen A, Maquet P, Dijk DJ., Functional magnetic resonance imaging-assessed brain responses during an executive task depend on interaction of sleep homeostasis, circadian phase, and PER3 genotype, J Neurosci. 2009
29. Circadian clock genes and sleep homeostasis. Franken P, Dijk DJ. Eur J Neurosci. 2009 May;29(9):1820-9. Epub 2009 Apr 28. Review. PMID: 19473235 [PubMed - indexed for MEDLINE]

From Production to Consumption - Legal And Policy Challenges for a New Approach to Climate Change

30. W. Nsoh and F. Sindico, (2009) Workshop Report From Production to Consumption: Legal and Policy Challenges to a New Approach to Climate Change, 30 May 2008, University of Surrey, Surrey Law Working Paper No.3, ISBN 978-1-906754-01-3

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Grants

The following workshops have resulted in successful grants totalling over £2,000,000.

Microbial Systems Biology

- Bushell et al. In silico studies of lignocellulose biodegradation and subsequent bioalcohol production. £330,000.
- McFadden et al. Construction of a genome scale metabolic model of Mycobacterium tuberculosis to investigate growth-regulated modulation of metabolism. £435,000. 2005 – 2009.
- McFadden et al. Development of new collaborative approaches in fermentation technology. BBSRC. £51,000. 2006-2009.
- McFadden et al. Investigation of metabolism and substrate utilization in Mycobacterium tuberculosis. Wellcome Trust. £405,000. 2009 – 2012.
- McFadden et al., Collaborative research on Microbial Systems Biology. BBSRC. £73,000, 2009 – 2012.

Agent-Based Models of Market Dynamics and Consumer Behaviour

Agent-based model of market dynamics and consumer behaviour, funded by Unilever plc, 2006–9 £211,000

Recovery After Work

European Grant application (ESF) for developing an international network for collaborative research in the area of worker recovery. The bid price was for a total of £524,657.93p over 5 years all going to the Surrey University.

Grants awaiting decision:

Biologically Inspired Information Fusion

- Austin, J., Bednar, J., Casey, M.C., Furber, S., Murray, S., Platt, B., Smith, L., Stein, B. & Wermter, S. (2009). BEGAT: Build, Evolve, Grow, Adapt and Train: Brain-like Computers that Improve with Use (BEGAT). EPSRC Programme Grant outline proposal, 5 years, value ~£6m. Submitted September 2009. .
- Casey, M.C. & Wermter, S. (2009). Adaptive Visual Threat Detection for Blind Person Navigation. EPSRC responsive mode proposal, submitted June 2009. Duration 3 years, value £303,748 (80% FEC to Surrey).

CIAS Membership

The Institute of Advanced Studies has become a member of the Consortium of Institutes of Advanced Studies which currently comprises 22 research institutes based within universities in Great Britain and Ireland. It is affiliated to the international Consortium of Humanities Centers and Institutes.

Consortium members

- Centre for Eighteenth Century Studies, Queen's University Belfast
- Institute for Advanced Studies, University of Bristol
- Bristol Institute for Research in the Humanities and Arts (BIRTHA), University of Bristol
- Centre for Research in the Arts, Social Sciences and Humanities (CRASSH), University of Cambridge
- Cardiff Humanities Research Institute (CHRI), University of Cardiff
- Humanities Institute of Ireland, University College Dublin
- Institute of Advanced Study, Durham University
- Institute for Advanced Studies in the Humanities, University of Edinburgh
- University of Exeter Interdisciplinary Institute (EII)
- Research Institute for the Humanities, at Keele University
- Kent Institute for Advanced Studies in the Humanities (KIASH), University of Kent
- Institute for Advanced Studies, University of Lancaster
- Leeds Humanities Research Institute (LHRI), University of Leeds
- School of Advanced Study, University of London
- ESRC Centre for Research on Socio-Cultural Change, Manchester/Open Universities
- Newcastle Institute for the Arts, Social Sciences and Humanities (NIASSH), Newcastle University
- Humanities and Social Sciences Research Centre, University of Nottingham
- Humanities and Arts Research Centre (HARC), Royal Holloway University of London
- Institute for Historical and Cultural Research, Oxford Brookes University
- Humanities Research Institute, University of Sheffield
- Institute of Advanced Studies, University of Surrey
- University of Wales Centre for Advanced Welsh and Celtic Studies
- Institute of Advanced Study, University of Warwick

Every effort has been made to ensure the accuracy of the information contained in this brochure at the time of going to press. The University reserves the right, however, to introduce changes to the information given including the addition, withdrawal or restructuring of degree programmes.

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