

# ISSTI

THE INSTITUTE FOR  
THE STUDY OF SCIENCE  
TECHNOLOGY AND INNOVATION  
[www.issti.ed.ac.uk](http://www.issti.ed.ac.uk)

## newsletter

no. 22 April 2013



# ISSTI members secure major research awards

**Research funding has been secured for a number of major studies.**

Dr Steve Sturdy, has secured a Wellcome Trust Senior Investigator Award in Medical Humanities to study the **emergence of Genomic Medicine** - [page 2](#)

Dr Kate Carter and an interdisciplinary team secured EPSRC 'Research in the Wild' funding to develop **Learning Energy Systems** - [page 2](#)

Dr Graham Spinardi, Dr Eugénia Rodrigues and Professor Steve Yearley, are among a team of Edinburgh academics that won funding from the Economic and Social Research Council to investigate **the politics of monitoring** - [page 3](#)

Dr Gill Hadow has been awarded a prestigious Wellcome Trust University Award for her project **The Animal, Mechanical and Me: The Search for Replaceable Hearts** - [page 4](#)

Dr Martyn Pickersgill was awarded further funding from Moray Foundation to study **the legal and ethical dimensions of biomedicine** - [page 4](#)

**Scottish E-Health Informatics Research Centre launched** - [page 5](#)

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**Innogen celebrates 10th year** - [page 7](#)

**Review of Innovation in Information Infrastructures workshop** - [page 13](#)

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## Making Genomic Medicine award secured by Dr Steve Sturdy

**Congratulations to Dr Steve Sturdy, Head of Subject, Science, Technology and Innovation Studies subject group, who has secured a Wellcome Trust Senior Investigator Award in Medical Humanities. The c.£0.8M Making Genomic Medicine award will employ three researchers over four years from autumn 2013.**

It will explore how genomic medicine emerged around the turn of the twenty-first century as a site of particularly intense activity in biomedical research and policy-making, prompted in large part by the expectation that developments in genomic science and technology would effect an epochal transformation in health care. By producing a comprehensive account of the socio-technical process that resulted in the current ferment of activity around genomic medicine, the study will locate these developments in their historical context. The story dates back at least to the 1970s, and involves not just dramatic developments in medical science and technology, but

also shifts in the orientation of public health policy, changes in the organisation and funding of clinical science and medicine, the emergence of new pharmaceutical business models, changes in the regulatory environment for biomedicine, and the growing influence of patient groups. The work will focus upon the emergence of ideas of genomic risk; the genomicsation of drug discovery and development and the rise of rare diseases. By analysing the scientific and social factors that led to the emergence of genomic medicine, the study will help to frame and inform current debates about the future of biomedicine.



Steve Sturdy

## Learning Energy Systems - Research In The Wild

**Dr Kate Carter and an interdisciplinary team have secured funding from the Engineering and Physical Science Research Council, 'Research In The Wild' Programme for an 18 month project to develop Learning Energy Systems.**

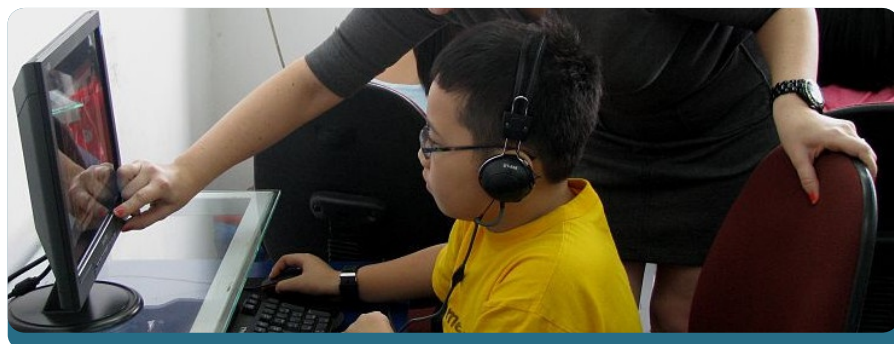
Kate leads an interdisciplinary team also involving Dr Chris Speed, Prof Remo Pedreschi, from Edinburgh College of Art, and from Dr Nigel

Goddard (Informatics) and Prof Robin Williams (ISSTI).

This project will develop tools to

enable teachers and students in Scottish schools to better manage their built environment. It will set up 'living labs' - building and experimenting with tools for building occupants to interact with a smart energy management system in order to both achieve a comfortable environment and reduce overall energy demand. In this way it will generate tools to support sustainable practices.

<http://sites.ace.ed.ac.uk/learningenergysystems/>





## ISSTI Researchers receive ESRC award to investigate the politics of monitoring

Three ISSTI members are among a team of academics from the University of Edinburgh who have secured a £325,000 award from the Economic and Social Research Council (ESRC) for an innovative investigation into the “the politics of monitoring”.

Dr Graham Spinardi, Senior Research Fellow at STIS, and Dr Eugénia Rodrigues and Professor Steve Yearley, ESRC Genomics Forum, will form part of a group of co-investigators from the University of Edinburgh, led by Professor Christina Boswell, Politics and International Relations, that will embark on the three year research project in April 2013.

The project relates to the politics of monitoring. Specifically, it will examine the way in which assessments – made by independent bodies, think-tanks, commentators or experts – are used by officials, politicians and the media to determine how performance actually relates to targets set in a number of varying policy areas in the UK. These areas include: climate-changing emissions; defence procurement; and immigration.

The research will investigate how information derived from such monitoring is used in the

assessment, implementation and potential reformulation of policy within these fields.



Steven Yearley

**Speaking about the new research project, Prof Steve Yearley, Director of the ESRC Genomics Forum said:**

*“This research will provide invaluable insights into how public policy in key areas such as climate change, defence and immigration responds to and is influenced by independent assessment of its effectiveness.”*

*“It is exciting to be working with such esteemed colleagues from*

*across the University of Edinburgh in investigating the importance of the politics of monitoring, and we are extremely grateful that the Economic and Social Research Council has recognised the importance and innovative nature of our work in this area by supporting the project over a three year period.”*

## Gill Haddow receives a Wellcome Trust University Award

**Gill Haddow has been successful in securing a prestigious Wellcome Trust University Award for her project 'The Animal, Mechanical and Me: The Search for Replaceable Hearts'.**

The project, which will run for five years, revolves around the idea of creating narratives or biographies of the implanted heart drawing on qualitative data from three case

studies. The first revolves around the decision making process between implanting an animal or mechanical implant; the second case study investigates the experiences of those fitted with an Implantable Cardiac Defibrillator and the last piece of research will investigate the development of Total Artificial Hearts. Hence the project works across two conceptual levels: the 'technological transitions' from working valve implants to devices to whole organ replacement and the biological transitions between animal and mechanical and human implants.



Total Artificial Heart



Gill Haddow

The biographies constructed can therefore make the links from patient experience to technological developments to the broader societal/institutional contexts of such developments.

## Dr Martyn Pickersgill secures funding from Moray Foundation

**Dr Martyn Pickersgill, Wellcome Trust Senior Research Fellow in Biomedical Ethics in the Centre for Population Health Sciences, has recently been awarded further funding for research around the legal and ethical dimensions of biomedicine.**

With Dr Emilie Cloatre (Kent Law School), he is the recipient of an AHRC award on 'Technoscience, Law and Society: Interrogating the Nexus'; with Dr Lydie Fiavola, he successfully applied to the Moray Foundation for sponsorship to undertake work on 'Animal Models and the Dynamics of Biomedicine'. Martyn has also received funds from the Wellcome Trust - with colleagues

from the University of Manchester - to support a series of public engagement events on 'The Human Body: Its Scope, Limits and Future' at the Surgeons' Hall Museum, Edinburgh, and is currently finalising an edited collection on law, science and society (for Routledge, edited with Emilie Cloatre).



Martyn Pickersgill

## Award to consolidate networking between UK and Korea

Jane Calvert and Robin Williams, with Alistair Elfick and colleagues in Synthetic and Systems Biology have secured a £19,000 award under the Foreign Office Global Partnerships Fund to develop networking with

counterparts in Korea. Over 12 months from April 2013 the "UK-Korea Focal Point Programme - Synthetic Biology" project will consolidate networking between UK and Korea scientists in the

field and will establish a new network of social scientists studying synthetic biology. For further information contact Dr Jane Calvert (Jane.Calvert@ed.ac.uk).



## Scottish E-Health Informatics Research Centre is launched

**Congratulations to Aziz Sheikh, Professor of Primary Care Research & Development in the Centre for Population Health Sciences, who will lead Edinburgh University's contribution to the new Scottish E-Health Informatics Research Centre, in collaboration with Graeme Laurie, Sarah Cunningham-Burley and Sarah Wild.**

Led by Andrew Morris at the University of Dundee, this is one of four UK e-health research Centres of Excellence established with £19 Million funding from the Medical Research Council, government and charity funders, and will act as coordinating hub for the others in Manchester, Swansea and London. The Centres will undertake cutting edge research that links e-health records with other forms of research and routinely collected data, which will lead to patient and public benefit

and ensuring the UK remains at the forefront of global medical research. By combining clinical, social and research data, researchers aim to identify more effective treatments, improve drug safety, assess risks to public health and study the causes of diseases and disability. It will also address issues of public acceptance and engagement around using health records develop to new therapies and improve patient care.

More information at <http://medicine.dundee.ac.uk/e-hirc>



Aziz Sheikh

## Digital Research Challenges



### Digital Perspectives

A new collection edited by Kate Orton-Johnson and Nick Prior has been published by Palgrave Macmillan. The book assesses the conceptual challenges faced by the discipline as it confronts digitalised social landscapes.

<http://www.palgrave.com/products/title.aspx?is=9780230222830>

### Digital Research Challenges online training programme

Gian Marco Campagnolo and Robin Williams are considering developing a

new online training programme in the broad area of Digital Research, aimed at professionals and postgraduates with an interest in understanding new research challenges arising from the increasing pervasiveness of the Internet and the data generated through Internet transactions (e.g. social media).

They are carrying out a survey to better understand the level of interest in such a programme. You can help us shape the content and structure of this new course by completing this online questionnaire.

[https://www.surveymonkey.com/s/DR\\_CISSTIRW4](https://www.surveymonkey.com/s/DR_CISSTIRW4)

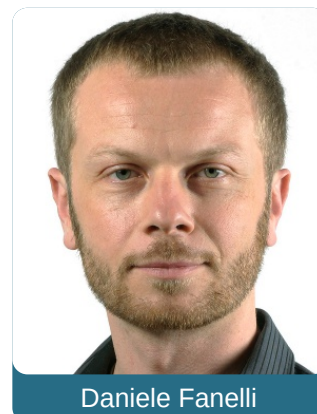
## Redefine misconduct as distorted reporting

**Daniele Fanelli was invited by the journal Nature to write a World View to explain his ideas on scientific misconduct.**

In the article, Daniele suggests that the dominant approach worldwide to tackling bias and misconduct is

unhelpful, because we should focus less on what scientists do and more on what they report.

<http://www.nature.com/news/define-misconduct-as-distorted-reporting-1.12411>



Daniele Fanelli

## Research in a Nutshell

[University Homepage](#) > [Research](#) > Research in a Nutshell

## RESEARCH IN A NUTSHELL videos

The University of Edinburgh has recently recorded a collection of over 400 1 minute research videos from across social sciences & humanities, science & engineering, and medicine & vet medicine:

<http://www.ed.ac.uk/research/nutshell-videos>

In each video a member of academic staff tells something about their research – the variety spans all interests from art, divinity, education, engineering, informatics and astronomy through to neuroscience, genetics and veterinary medicine. Lab results, historical documents, social issues, climate change, technological developments and artistic practices are just some of the exciting topics discussed. Each video is accompanied by additional background information with links to related videos and websites. You can also search for staff members, research topics and keywords, as well as browse by research centre, institute, school and college. More videos are being added weekly –

and you will find many ISSTI members there reporting on work that spans particular disciplines, schools and colleges. Research in a Nutshell originated as fun way to encourage collaborations between academic staff, by helping colleagues learn about each other's research. But, as the collection grew and diversified, it became obvious these interesting stories would have wider appeal, both inside and outside the University. The project has been developed by a team in the School of Informatics, led by Prof. Robert Fisher, research dean for science and engineering with EPSRC funding.

### Some videos with ISSTI members. Watch now:



Steve Sturdy: The genomic revolution in medicine



Donald MacKenzie: Automated trading



Robin Williams: Understanding innovation



Catherine Lyall: Interdisciplinarity



Steve Yearley: Of sociology and science

## Five scholarships for MSc in Science and Technology in Society

Five scholarships are available to Scottish and EU students on our new MSc in Science and Technology in Society.

Funded by the Scottish Funding Council's 'Highly Skilled Workforce' scheme, these scholarships will cover tuition fees. To be eligible, you must apply to the programme by **1st May 2013**. See

[www.sps.ed.ac.uk/satis](http://www.sps.ed.ac.uk/satis).

For more information contact the programme director  
[Sarah.Parry@ed.ac.uk](mailto:Sarah.Parry@ed.ac.uk)





## Innogen is Ten Years Old

**Innogen recently celebrated ten years of intense and exciting research that has stimulated life science innovation and positively impacted the biotechnology trajectory.**

To mark the occasion, leaders in industry, policy, media and academia came together in November 2012 at the University of Edinburgh's iconic Playfair Library to honour the indelible footprint that Innogen has made over the last decade and to look toward its continuing influence in the next. Speakers included Prof Andrew Morris (Chief Scientist, Scottish Government Health Department), Ms Rhona Allison (Senior Director of Life & Chemical Sciences, Scottish Enterprise), Prof Simon Best (CEO, Aquapharm; Chairman, Edinburgh Bioquarter), Prof Dorothy Miell (Head of the College of Humanities and Social Science; Univ. of Edinburgh) and Prof Sir Timothy O'Shea (Principal, Univ. of Edinburgh). Each spoke highly of

Innogen's contribution to economy and society in their spheres of activity.

### Innogen relaunch

Innogen is now making its transition from its place in the ESRC Genomics Network, which comes to an end in May 2013. Innogen, as the newly established Institute for Innovation Generation in the Life Sciences, builds on the exemplary body of work generated during the ESRC Innogen Centre decade. The Innogen Institute will continue to be a dynamic collaboration between the University of Edinburgh and the Open University that explores the social and economic impact of innovation in the life sciences.

Through work in areas such as global health, food and energy security, emerging technologies and the bioeconomy, the Innogen Institute will further our understanding of innovation generation across a range of sectors by offering in-depth, rigorous research; providing impartial non-partisan, evidence-based advice to public, private and social sector stakeholders; and by enhancing the skills of participants engaging with the innovation process.

The Innogen Institute also has new look and web presence. Find Innogen in the social media sphere on Facebook, Twitter, Flickr and LinkedIn and visit the Institute's new website at:

[www.innogen.org.uk](http://www.innogen.org.uk)



Innogen  
in  
the  
social  
media  
sphere

facebook  
twitter  
flickr  
LinkedIn





## ESRC Genomics Network – a new phase commences

**Spring 2013 will witness the commencement of a new phase in the lives of the Centres that form the ESRC Genomics Network, including Innogen and the Genomics Forum.**

In May, following a decade of direct financial and logistical support, funding for the Network from the ESRC will end, with the result that the functioning of the Network in its current form will cease. The work of three of the Network's Centres – Cesagen, Egenis, and Innogen – will enter a new phase, with each Centre being supported in the future by the respective academic institutions that currently host them.

With the formal end of the Genomics Network, the role currently fulfilled by the Genomics Forum – in taking a lead in engagement on behalf of the Network – will no longer exist, resulting in the Forum being wound up in Spring/ Summer 2013. However, during the first half of 2013 the Forum will continue to manage an extremely full engagement programme – including organising the final EGN conference, which will take place in London on 30 April and 1 May 2013 – and producing a searchable archive of all relevant material that has been published on the Network's website during the last decade.

To mark the achievements of the Network during the last 10 years – and to consider what may come next in terms of societal and policy

engagement with the life sciences – a final, special edition of the gen – the newsletter of the Genomics Network – will be published in April 2013. This will link in with many of the themes that will be explored during the final EGN conference.

## Registration now open for the EGN 2013 Conference – Genomes and societies: Global challenges around life sciences

**Registration is now open for the final ESRC Genomics Network Conference, which will take place in London on 30 April and 1 May 2013.**

Participation in the conference is free, but anyone wishing to attend should register in advance via the dedicated Eventbrite site <http://genomesandsocieties.eventbrite.co.uk/>.

Entitled Genomes and societies: Global challenges around life sciences, the conference will provide an opportunity for the Network to evaluate how the debate around advances in the life sciences has developed during the last decade, and the way a diverse range of stakeholders has been engaged in this. Drawing upon both UK and international examples – and featuring contributions from

leading policymakers, and natural and social scientists – the conference will analyse how links between the life sciences, policy development and society have been successfully facilitated, and examine how the knowledge and experience that has been amassed can be applied to the socio-economic challenges likely to arise from future innovations in biotechnology. The draft programme for the conference is available on the Network's website at: <http://www.genomicsnetwork.ac.uk/esrcgenomicsnetwork/events/conferences/title,26253,en.html> Also, if you are a fan of Twitter, use the hashtag #EGN13 to follow the latest updates and news on the conference.

## Forum “gets creative” about factual life-science writing

**Visiting Research Fellow organises “sell-out” workshop as part of “Innovative Learning Week”.**

The ESRC Genomics Forum is set to explore how factual scientific writing can be made as creative and engaging as possible, thanks to the work of one of its Bright Ideas Visiting Research Fellows (VRFs).

As part of the University of Edinburgh's Innovative Learning Week, science writer and editor, Barbara Melville, will be leading a day-long workshop exploring creative writing techniques that can be used to engage the public in facts about the life sciences. The event – which takes place on Thursday 21 February 2013 – will focus on how the creative principles behind works of scientific fiction can potentially be applied to scientific fact, in order to bring information about biosciences to life.

**EGN Conference 2013  
30 April - 1 May  
Westminster, London**



The workshop has proved so popular amongst its target audience of students, scientists and science communicators that all available places have been filled, and consideration is therefore being given to hosting similar events in the future. It's anticipated that some of the creative, factual science writing produced by participants in the initiative will ultimately be featured on Genotype – the Genomics Forum blog.

Speaking about the workshop, Bright Ideas fellow Barbara Melville said:

*"The life sciences are developing rapidly, resulting in many discoveries that could have significant impacts for society. But all too often the science behind these important advances is seen as either boring or unfathomable."*

*"As a scientific journalist, who also has a background in fictional literature, it became apparent to me that it might be possible to apply some of the techniques used in developing fiction to bring a different approach to factual science writing. I hope the workshop will demonstrate that writing about science doesn't have to be staid, and it is possible to make even complex scientific information accessible to a wide public audience."*

As well as being a Visiting Research Fellow at the Genomics Forum during February 2013, Barbara is also currently Writer-in-Residence at the MRC Centre for Regenerative Medicine, Edinburgh. Following on from the workshop, she hopes to develop a dedicated website that specialises in supporting and publishing creative, non-fiction science writing.

## Forum academics produce special section of Science and Public Policy

**Isabel Fletcher and  
Catherine Lyall co-edit  
journal on Investing in  
Interdisciplinarity**

The latest edition (Volume 40 Issue 1 February 2013) of the prestigious social science journal Science and Public Policy has been largely dedicated to a special section edited by ESRC Genomics Forum Research Fellows, Isabel Fletcher and Catherine Lyall.

Entitled Investing in Interdisciplinarity, the section examines the opportunities and challenges around an interdisciplinary approach to addressing social issues. It consists of eight papers from leading social science researchers – including a number of academics from the ESRC Genomics Network – and features a lead paper co-authored by Dr Fletcher and Dr Lyall entitled Experiments in interdisciplinary capacity-building: The successes and challenges of large-scale interdisciplinary investments.

Other papers in the special section of the journal cover topics that include: regional innovation policies; global challenges of biological knowledge for health and agriculture; new horizons for law and social science; and participatory interdisciplinary. The section concludes with a paper that considers The role of funding agencies in creating interdisciplinary knowledge, for which Dr Lyall is the lead contributor.

The full February 2013 edition of Science and Public Policy can be accessed online at:  
<http://spp.oxfordjournals.org/content/current>

## SCRR Researching Scotland's Ruralities: Social Science Perspectives on Current Issues in Rural Scotland

The ESRC Genomics Forum is supporting a Scottish Consortium for Rural Research (SCRR), organised meeting which will expand SCRR's traditional focus on biological science, to consider social-scientific aspects of rural research.



Isabel Fletcher

Taking place in Perth on 20 March 2013, the meeting aims to encourage social scientists (broadly interpreted) working on topics in a rural context to come together to exchange information and insights, and to help SCRR develop a more fully cross-disciplinary approach to "rural research". The meeting will have a number of substantive focus points but is also planned to encourage researchers to network.

For further information and to book a free place, please visit the event's dedicated Eventbrite site:  
<http://researchingscotlandsruralities.eventbrite.co.uk/>



Catherine Lyall

## Dr Graham Spinardi has been appointed as Senior Research Fellow

We are pleased to announce that Dr Graham Spinardi has been appointed as Senior Research Fellow on the Integrating Technical and Social Aspects of Fire Safety Engineering and Expertise (IT-SAFE) project.



Graham Spinardi

This is a prestigious interdisciplinary project designed to improve fire safety and the quality of the built environment through better integration of social and engineering research, supported by the University of Edinburgh, The Ove Arup Foundation, and the Royal Academy of Engineering (see <http://www.stis.ed.ac.uk/issti/it-safe>). Dr Spinardi has a long record at the University of Edinburgh researching the social shaping of technologies, with particular emphasis on historical studies of military innovation and other state-funded research. Major research grants include: a comparative study of innovation by firms in the UK,

Germany, Japan and the USA, based on inventions patented and licensed by the British Technology Group and its predecessor, the National Research Development Corporation; a study of key developments in UK radar technology and their relationship to both strategic requirements, and to their exploitation for dual-use applications; a history of US Ballistic Missile Defence technology, focusing on the way that technical knowledge is constructed, particularly as regards claims about

performance, and how test performance is extrapolated to operational conditions; and, a study of how the conservative nature of airliner development has limited the uptake of potentially greener alternative technologies.

Dr Spinardi will now turn his attention to untangling social issues relevant to fire safety in the built environment. Interested parties are encouraged to contact Dr Spinardi, or indeed any member of the IT-SAFE team, through the project's website.



## Francesca Bray

**Congratulations to Professor Francesca Bray (Social Anthropology) who has recently been elected to the Presidency of the Society for the History of Technology (SHOT).**

SHOT is the leading international association in this field (<http://www.historyoftechnology.org>).

Francesca will serve a six year term, as Vice-President (2013-4), President (2015-6) and Past-President (2017-8).



Francesca Bray



Ann Bruce

## Ann Bruce featured as Top PI

**Dr Ann Bruce has been featured as Top Principal Investigator in Research Fortnight – the main source for research funding intelligence in the UK.**

The 6 February 2013 issue highlights Ann Bruce as an example of a non-traditional, interdisciplinary research career at the interface between Life Science and social science and between research and policy. See article "Ann Bruce, a natural among social scientists":

<http://www.researchprofessional.com/services/mailling.html?uuid=02d0b4a5-5730-4be1-b043-53303baf7420>

## Neil Pollock has been awarded professorship

**Congratulations to Neil Pollock who has been awarded a personal chair in the University of Edinburgh Business School in. Neil will be Professor of Innovation and Social Informatics.**



Neil Pollock



Lisa Lee

## Welcome back to Lisa Lee

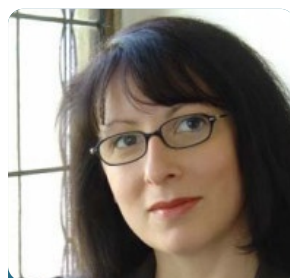
**Lisa recently returned to Edinburgh as Research Fellow on a NIHR funded project.**

In the project she will be exploring through qualitative case studies the experiences of implementing and using electronic prescribing and medicine administration systems in English hospitals, see

[www.cphs.mvm.ed.ac.uk/projects/eprescribing/](http://www.cphs.mvm.ed.ac.uk/projects/eprescribing/). She previously worked with us in the areas of gender and inclusion in science and technology and mobile and wireless technology adoption.

## Luciana D'Adderio leaves Edinburgh University to join Strathclyde Business School as Reader

**Luciana leaves at the end of March after eleven years at Edinburgh, to join the Department of Management at Strathclyde Business School as a Reader in Management.**



Luciana D'Adderio

In her new position Luciana will be able to further develop the upcoming research area on 'Dependable Innovation' which she pioneered through her ESRC and EPSRC-sponsored Fellowship Award with the Advanced Institute of Management (AIM) Research. As a key aspect of her new role she will also help develop the area

of Technology and Innovation Management within Strathclyde University, as well as establishing close links between the Business School and the new £90m multidisciplinary Technology and Innovation Centre. You can follow Luciana's latest news on her dedicated research website at [www.dependableinnovation.org](http://www.dependableinnovation.org).



## Welcome to our new members

### Dr Miguel Garcia-Sancho

Welcome to Miguel Garcia-Sancho who recently started a prestigious five year Chancellors Fellowship in Science, Technology and Innovation Studies



Miguel Garcia-Sancho

After his PhD at Imperial College, Miguel worked at Manchester University, Centre for the History of Science, and the Spanish National Research Council (CSIC), Department of Science, Technology and Society. His research interests

are in the history of 20th century biomedicine, with special emphasis on the transition between molecular biology, biotechnology, bioinformatics and genomics. For his Chancellor's Fellowship in Science, Technology and Innovation Studies, he will start a project on the history of concerted large-scale mapping and sequencing initiatives (the science, politics and socio-economic expectations behind the human and animal genome projects which proliferated after the mid 1980s). His book Biology, Computing and

the History of Molecular Sequencing: From Proteins to DNA (1945-2000) was recently published by Palgrave-Macmillan.

[http://www.sps.ed.ac.uk/staff/science\\_technology\\_and\\_innovation\\_studies/garcia\\_sanchez\\_sancho\\_miguel](http://www.sps.ed.ac.uk/staff/science_technology_and_innovation_studies/garcia_sanchez_sancho_miguel)

### Dr Alice Street

Welcome to Dr Alice Street, who has just started a Chancellor's Fellowship in Social Anthropology.

Alice's research focuses on the relationships, institutions and infrastructures involved in delivering public health in fragile states. Her research has included projects on the politics of diagnosis and medical visibility in Papua New Guinea's public hospitals (to be published in a forthcoming monograph with Duke University Press); the role of bureaucratic technologies as tools of

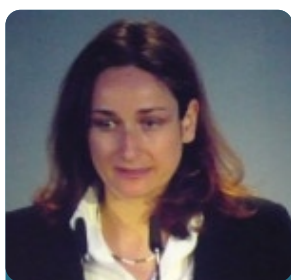


Alice Street

state building and their interaction with relational infrastructures in Papua New Guinea's rural health system. As a Chancellor's Fellow she is developing further research on private sector health interventions that are premised on state failure in contexts of crisis, with a particular focus on nutraceuticals in contexts of Maoist Insurgency and state neglect in South Asia.

### Dr Roya Ghafele

Dr Roya Ghafele has just taken up a position as Lecturer in Intellectual Property Law in the School of Law.



Roya Ghafele

Her research focuses on the contribution of intellectual property (IP) to business performance in modern economies. It suggests that conventional paradigms of IP monetization have led to the under-management of valuable assets. Companies often generate revenue from third parties through the use of licensing arrangements and other monetization techniques, yet patent rights are frequently, and

unfortunately, identified solely with the preclusive aspects of patent law. However, despite common perceptions of them as a defensive tool that serves in litigation, patent rights hold the potential to be proactively managed to stimulate cash flow. IP is a pivotal intangible asset that impacts bottom line firm performance in a variety of ways. Its role in corporate strategy is likely to grow. While the established view of IP as a defensive right that serves to keep competitors at bay through potential litigation persists, she is interested in studying the value proposition of IP through an 'intangible assets' lens and grasp to what extent it can increase the efficacy of technology utilization.

## Innovation in Information Infrastructures

The Innovation in Information Infrastructures workshop (9-11 October 2012), brought together leading academics from informatics, management and social studies of science and technology to discuss the emergence and continuing evolution of new kinds of information infrastructures (IIs) in business, health, research and other settings.

Supported i.a. by Digital Social Research, Edinburgh Business School, the Scottish Graduate School in Social Sciences and Scottish Informatics and Computer Science Alliance, this

Neil Pollock presented his new research agenda regarding the new knowledge infrastructures of the IT market. If you want to understand how package software succeeds you have to

examine the interactions amongst a community of vendors, users, consultants and others involved. He highlighted the role of new actors such as industry analysts who conduct various kinds of 'promissory work', developing new methods and tools like the 'Gartner Magic Quadrant' to shape and organize the market.

Change offered a framework for analyzing the evolution of a knowledge infrastructure as its different elements changed over an extended period. Geoff Walsham explored practice-based learning among peers who share occupational practices but do not necessarily work with each other or even know each other because of geographical or organizational distance. Eric Monteiro explored longitudinal case studies from the oil and gas industry for a stimulating exploration of the interaction between sensors, infrastructures and innovation. Concluding the keynotes Marina Jirotko provided an inspirational account of the realising new forms of scholarly work in digital humanities.

interdisciplinary conference sought an overarching understanding of Information Infrastructure innovation and explored future prospects for research in this area.

80 researchers from the UK, Europe and US came to hear 24 papers and 6 keynote presentations. The opening talk by Robin Williams reviewed the traditions that have combined to address Information Infrastructures, and related work on Cyber- or Knowledge Infrastructures. He highlighted the challenges for research design when studying complex settings that stretch across time and space and the need for a "Biographical Perspective" encompassing strategic ethnography and historical study.

He highlighted the role of new kinds of events, such as industry conference as spaces where promises can be mobilized and managed in direct contact with their audiences.

International keynotes covered a wide range of themes illuminating the broad church of 'information infrastructures. Steve Sawyer introduced the concept of personal 'digital assemblages' to highlight the ways that II users draw upon various tools and services to ensure reliable access to information resources as they go about their work. David Ribes in his talk on Organizing for Ontological

Other talks encompassed Innovation in Scientific Modelling and Simulation as Infrastructure Assembly (Mark Hartswood and Alex Voss), User Communities as the Collective Bridge of the Long Now of Infrastructures (Hajar





# Recent Events



Mozaffar), User Centric eInfrastructures (Jenny Ure) and The Role of Technology Events in Information Infrastructure Refresh (Gordon Haywood).

Ole Hanseth pulled out some key messages for the conference and Geoff Walsham led an advanced doctoral training session where students were mentored by academic staff on the methodological issues in studies of Information Infrastructures.

The event succeeded in establishing new alliances and maturing old ones

in our common pursuit of the study of all things information infrastructure. Along with the resulting JAIS special edition this

domain of scholarly endeavour looks set to continue towards a bright future.



## Edinburgh hosts TSB Multi-disciplinary Software Workshop

Edinburgh University hosted a Multi-disciplinary Software Construction Workshop, organised by the Technology Strategy Board and sponsored by the ICT Knowledge Transfer Network.

The event, held in the Informatics Forum, brought together academics, managers of small businesses, software developers and other

interested parties to talk about how well-rounded software can be created. A fuller account can be found at:

<https://connect.innovateuk.org/web/ictkn/articles/-/blogs/multi-disciplinary-software-construction-workshop>

## Monthly ISSTI PhD Seminar Series

Our lively cohort of research students organise a monthly ISSTI PhD seminar to provide a friendly academic environment in which PhD students can present their research proposals, advancements, field results, findings and benefit from peer criticism.

The seminar is an opportunity to improve presentation skills, to get feedback from colleagues, to strengthen the PhD community, and to share academic worries and questions in a constructive and warming meeting. PhD students from the ISSTI network are encouraged to present and welcome to attend if their topics are related to the STI field. Master by Research students and other academics are also welcome to attend the seminar and to contribute to discussions. Seminars are usually held the last Monday every month. See:

[http://www.issti.ed.ac.uk/research\\_students/seminar](http://www.issti.ed.ac.uk/research_students/seminar)



Between his talks at the Gifford Lectures Bruno Latour met with a group of ISSTI students for an informal discussion.



# Some Recent Publications



## **CRESSWELL, K.**

Cresswell K, Coleman J, Slee A, Williams R, Sheikh A, et al. (2013) *Investigating and Learning Lessons from Early Experiences of Implementing ePrescribing Systems into NHS Hospitals: A Questionnaire Study*. PLoS ONE 8(1): e53369

James Hayward, Fionagh Thomson, Heather Milne, Susan Buckingham, Aziz Sheikh, Bernard Fernando, Kathrin Cresswell, Robin Williams, Hilary Pinnock (2013). *'Too much, too late': mixed methods multi-channel video recording study of computerized decision support systems and GP prescribing*. Journal American Medical Informatics Association doi:10.1136/amiajnl-2012-001484

## **FANELLI, D.**

*Any publicity is better than none: newspaper coverage increases citations, in the UK more than in Italy*.

Scientometrics, published online, Dec. 2012

and W. Glänzel. *A bibliometric test of the hierarchy of the sciences: preliminary results*. Proceedings of the Science and Technology, Indicators conference 2012, p 452-453

*Only reporting guidelines can save (soft) science*. European Journal of Personality, forthcoming

*Positive results receive more citations, but only in some disciplines*. Scientometrics, 94(2), 2013, p.701-9 DOI: 10.1007/s11192-012-0757-y

*Redefine misconduct as distorted reporting*. Nature, 494(7436), 2013, p.149

*When East meets West...does bias increase? A preliminary study on South Korea, United States and other countries*. Proceedings of. 13th COLLNET Meeting, Seoul, South Korea, 2012

## **PARRY, Sarah**

with Wendy Faulkner, Sarah Cunningham-Burley and Nicola J. Marks. *Heterogenous agendas around public engagement in stem cell research : the case for maintaining plasticity*. Sience & Technology Studies, 25 (2), 2012

## **PICKERSGILL, M. D.**

*The co-production of science, ethics and emotion*. Science, Technology & Human Values, 37(6,)2012, p.579-603

with Flear, M. *The European Union's regulation of emerging health technologies and citizen participation: regulatory or regulating publics?* Medical Law Review, forthcoming, (special issue on Regulating Health Technologies)

*From 'Implications' to 'Dimensions': science, medicine and ethics in society*. Health Care Analysis, 21 (1), 2013, p.31-42 (special issue on Methods in Bioethics)

*How personality became treatable: the mutual constitution of clinical knowledge and mental health law*. Social Studies of Science, 43(1) 2013, p. 30-53

*The social life of the brain: neuroscience in society*. Current Sociology, forthcoming

*Standardising antisocial personality disorder: the social shaping of a psychiatric technology*. Sociology of Health & Illness, 24(4), 2012, p.544-559

*What is psychiatry? : engaging with complexity in mental health*. Social Theory & Health, 10(4), 2012, p. 328-347

## **POLLOCK, NEIL**

with Williams, R., Monteiro, E. & Hanseth, O. (2012), *'From Artefacts to Infrastructures', Computer Supported Co-operative Work*. DOI 10.1007/s10606-012-9167-1

## **STEWART, JAMES**

with Rob Procter, Robin Williams and Meik Poschen (2012) *'The role of academic publishers in shaping the development of Web 2.0 services for scholarly communication'*. New Media and Society, DOI:

10.1177/1461444812465141