

SEED Bulletin June 2016

Welcome to the June 2016 edition of the SEED Bulletin

Head of School Message

Dear Colleagues,

It has been a very good year for SEED, which is now three years old and well established. We have had some notable successes, including for example the launch of the Global Development Institute, the successful bid for the Manchester Urban Institute, growth in research income and grant success, and a step-change in employment stats for our graduates. Figures for next year's student recruitment look generally strong, with particular growth in post-graduate taught (both overseas and home). We have also recently had the news of promotions in SEED, with Helen Wilson (Geography), Isabelle Doucet, Andy Karvonen and Lukasz Stanek (all Architecture) promoted to Senior Lecturer. Many congratulations to these colleagues!



Going forward one challenge we will have is to maintain levels of recruitment of undergraduate students at appropriate quality. The University strategy this year is very much to emphasise student quality, and so in August if we do not hit target we will be restricted in the grade drops we are able to offer. I support this strategy, as we clearly want the best possible students for a whole range of reasons, but it means we do need to continue working hard on our range of UGT recruitment activities.

I know we are all extremely busy at the moment with exam boards, but the end of the academic year is in sight. Graduation is on **Thursday 14th July**, and I hope to see many of you there. It is always special opportunity to congratulate our graduates, but it is also an important marker for the hard work of colleagues across the School in teaching and supporting our students. I know that our activities continue at pace through the summer - with initial teacher training courses starting imminently and Masters teaching ongoing- but I hope you all get some proper rest and relaxation, as well as research time, over the next few weeks. One thing on my own 'to do' list for the summer (when I get some time!) is to think about what we can practically do to create more useful space (and time) for academics within the year. We talked about this issue at a recent SEED Heads of Discipline meeting - the problem of increasing demands, the fact we are not good at stopping doing some things, and how best to protect time both individually and collectively. To be fair these are not new issues - I remember similar discussions in my department when I first became an academic - but they remain important, and I will continue to consult with the Heads for bright ideas. If you have any, please do pass them on!

Very best wishes,

Tim

Staff Visits, Activities and News

Staff	Date	Activity
Alan Lewis	May 2016	Lewis, A. <i>Daylighting in older people's housing – A guide for housing providers, architects and associated professionals involved in housing design and development</i> . London: Thomas Pocklington Trust.
Armando Barrientos	May and June 2016	Paper on Social assistance and redistribution in Latin America, presented at the IDI and EADI Conference <i>Dilemmas of contemporary capitalism: Political representation and economic transformation in the emerging economies</i> , King's College London 6-7 June 2016
		Paper on What is the future of human development conditional income transfer programmes in Latin America, presented at the Latin American Studies Association Conference 2016 Panel on 'Conditional Cash Transfers in Latin America: Origins, Operation and Future', New York 28th May 2016.
		Social assistance in developing countries: Progress, innovations and challenges, University of Turin and Collegio Carlo Alberto Social Science Seminar, Turin, 3rd May 2016.
Isabelle Doucet	June 2016	<p>Grants</p> <p>Isabelle Doucet has been awarded a grant from the Graham Foundation for Advanced Studies in the Fine Arts in support of her research on architectural counter-projects 1965-1980</p> <p>Conference Attendance</p> <p>Isabelle Doucet presented her work at the European Architecture Historians Network meeting in Dublin 1-5 June 2016</p> <p>Invited talks</p> <p>Isabelle Doucet is invited to present a paper at the Objects of Schooling symposium at the University of Leuven, 16 June 2016</p> <p>Isabelle Doucet has been invited to present at the Who Saves the City seminar at the University of Edinburgh, 6 June 2016.</p>
Kunal Sen	June 2016	<p>Professor Kunal Sen will be presenting a keynote lecture in the Joint World Conference on Social Work, Education and Social Development in Seoul on June 27-30 2016.</p> <p>Professor Kunal Sen will be presenting a paper, "Democracy versus Dictatorship: the Political Determinants of Growth Episodes", in the annual conference of the Society of Organisational and Institutional Economics in Sciences Po, Paris, June 15-17.</p>
Ray Lucas	May 2016	<p>'Taking a Walk for a Line'</p> <p>A play on Paul Klee's famous description, this was a series of five drawing workshops at the 'KFI Kitchen' event at Comrie Croft in Perthshire, an international invited seminar investigating the pedagogical implications of Tim Ingold's 'Knowing from the Inside' ERC research project. Participants were asked to investigate the usefulness of drawing as a form of knowledge production and attendance through a series of practical exercises. Blog and publication under development, to be edited by Ray Lucas and Tim Ingold. https://kfikitchen.wordpress.com</p>
David Spendlove	June 2016	<p>Dr David Spendlove has been invited to give a keynote on Creativity and Technology Education at the National STEM centre on June 24th</p> <p>Dr David Spendlove has been invited to give a keynote on Teacher Training: a Russell Group perspective at the "Educational Excellence Everywhere" Implications for the teaching profession, SATTAG</p>

		Westminster advisory Seminar, July 5th.
Antonio Savoia	June 2016	“How do political institutions affect fiscal capacity? Explaining taxation in developing economies” at the annual conference of the Society for Institutional and Organisational Economics, Paris, 16th-18th June.
Beverly Metcalfe	March and June 2016	Paper presentation: Islamic Feminism, Empowerment and Social Change in the Middle East. Keynote Plenary (with Prof Jawad Syed) Diversity, Management and Post Colonialism, at European Academy of Management, Paris, 1-3 June. Keynote , 44th Meeting of the International Federation of Training and Development Organizations, Bahrain 27-29 March Developing Women's Leadership Capabilities in the Arab Gulf.
Cecilia Wong	June 2016	Invited presentation on ‘The delusion of strategic spatial planning in England’, Nanjing Institute of Geography, Chinese Academy of Sciences, 1 June, Nanjing. Invited presentation on ‘Monitoring sustainable urban transformation: challenges & opportunities’, Green Development Session of the Shanghai Forum on Economic Globalization and the Choice of Asia, 28-30 May, Fudan University, Shanghai. Invited presentation on ‘Planning for urban-rural development: the British experience’, Urban and Rural Planning for a Well-Off Society Roundtable of the Shanghai Forum, 28 May, Fudan University, Shanghai.
Natalia Garcia Cervantes	June 2016	As part of her HSIF-funded project on ‘Urban informality across the North and South: Informal practices in the private rental sector in the UK and Colombia’ Melanie will host a meeting with colleagues from the Universidad Javeriana, Bogota and the Asociacion Mejorando Vidas, Cali, Colombia (20-24 June).
Diana Mitlin	June 2016	Diana will be participating in a meeting of the ESRC’s research committee at the end of June. Diana will be participating in a workshop in August related to research now taking place in Uganda (Kampala, Mbale and Kibale) for the ESID-funded analysis of urban poverty reduction programming. Diana will be presenting results from the ESID-funded research on the Basic Services for the Urban Poor sub-Mission in India at the DSA conference in September.

Mecanoo B.15 Modelmaking Award 2016 Winners

Final judging for this year’s Mecanoo B.15 Modelmaking awards took place on Friday 10th June ahead of the end of year show opening.

Representatives from Mecanoo were Laurens Kistemaker, Paul Daly, Oliver Boaler along with former MSA Student and previous award winner Sara Hammond. Representing MSA were Jim and myself and Dr Ray Lucas.



As with last year’s award, judging looked at the overall quality of the finished models, the effectiveness of their response to the brief and the integration of modelmaking into each students designing process. This proved once again to be very tough and created a fantastic post-marking deliberation over the final results. *“I was pleasantly surprised by the efforts and quality of the student’s work, which therefore made it really hard for us to pick just 6 winners. We covered both sides (skill and representation of the brief) of modelmaking with a judging*

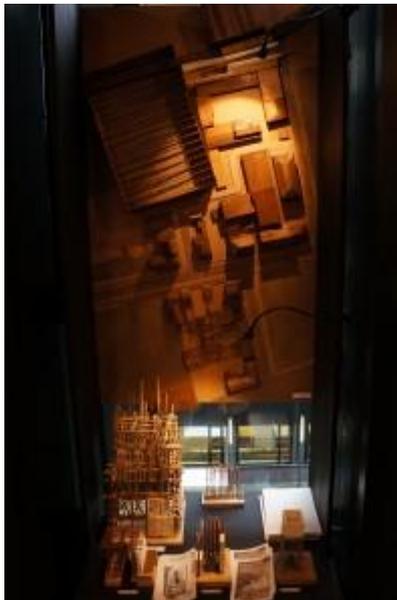
team of 3 modelmakers and 3 architects. I hope we as mecano together with Jim and Scott have contributed to push the continued importance of modelmaking in architectural learning and practice.”
– Laurens Kistemaker

Prizes were presented by Laurens Kistemaker and Professor Tom Jefferies to the winners who were as follows:

1st Prize MArch: Daniel Kempski & Peter Lee



2nd Prize MArch: Natalie Dosser & Diana Muresan



3rd Prize MArch: Sam Beddingfield



1st Prize BA (Hons) Architecture: Ciara Tobin



2nd Prize BA (Hons) Architecture: Akhil Mathew



3rd Prize BA (Hons) Architecture: Daniel Vella



We would like to thank all at Mecanoo for their continued support of this award which has already built on last year's success with another quality display of projects.

Congratulations to all who made the hard earned short-list and eventual winners! We hope you will continue to employ the use of modelmaking in your learning and future careers whatever they may be.

Scott and Jim at B.15

School Information and Notices

Current SEED Vacancies

Lecturer in Urban Planning (2 year fixed term) – internal only. Closing date: 21 June. For further details visit [Staffnet](#).

Lecturer in Education (Policy and Practice). Closing date: 3 July, For further details visit [Staffnet](#).

Lecturer in Education (International Development). Closing date: 3 July For further details visit [Staffnet](#).

Lecturer in Environmental Planning & Management (permanent). Closing date: 8 July. For further details [Staffnet](#).

Interviews will be held for the following posts

Lecturer in Education (Science) 3 yr FTC Thursday 16 June, in room AG.11, Ellen Wilkinson Building

HUM 08001 SL/Reader in Architecture Friday 1 July presentations will be held in room G0.35/36, Arthur Lewis Building. Interviews will be held in room 1.27, Humanities Bridgeford Street Building

Teaching learning and Students

Changes to how you add content to Blackboard

From April 2016, all content that is digitised and added to Blackboard and/or Link2Lists must be via request to the Library's Digitisation team. Full details of this important change can be found on [Humnet](#).

Reference Management drop-ins

Due to popular demand, the reference management drop-in service has now been extended and will continue to run in June. It is open to all students and staff; if you have any questions about reference management software or referencing in general, come to the Main Library on Fridays from 1-2pm, outside the Seminar Room in the Main Library.

Already thinking about the new academic year?

A brief reminder to ensure book orders, digitisation and training requests are in place for the new semester.

- **Book orders:** Place your requests either via the Library Request form on [My Manchester](#) or forward bulk orders to our recommended reading email uml.recommended-reading@manchester.ac.uk. Please include approx. number of students on your course/module to ensure the team orders sufficient copies of each text.
- **Digitisation Requests**
Request digitisation material for your reading lists via the Library Request Form on [My Manchester](#).
- **Training Requests**
Get in touch with [Janette](#) or [Francoise](#) to discuss your training requirements and how to embed the Library's My Learning Essentials [online tutorials](#) into your programme or module.

MSc Human Resource Development (International Development) Fieldwork

Bahrain, March 2016

The MSc Human Resource Development (International Development) group visited Bahrain for their annual field trip from 19 – 26 March 2016. They were hosted by the *Bahrain Society of Training and Development Society* (BSTD), which is an NGO supported by the Bahraini government and is responsible for national HRD planning and skills development, in close alliance with the Ministry of Education and the Ministry of HRD. The HRD (ID) group attended the 45th IFTDO World Conference and Exhibition which was under the patronage of the Prime Minister of Bahrain – H.R.H. Prince Khalifa bin Salman Al Khalifa, where they listened to keynote presentations from Ministers and Development Policy Specialists principally from Nigeria, the Middle East, Malaysia and other developing countries. The BSTD executives Eman Al Qahtani, Ahmed Attiya, and the President of BSTD, Mohamed Mahmood graciously provided insights on human development challenges faced by the Arab Gulf.

The IFTDO is an arm of the UN with a special focus on human, organization and state capacity building. The conference theme of 'Developing Leaders' was directly aligned to the core HRD (ID) modules and key themes in GDI on sustainability and capacity building. This included presentations on '*HRD and Sustainable Development*' and broader issues of energy and environmental resource management in the Gulf by the Energy Minister of Bahrain, '*National Skills Development in the Gulf*' by the Bahrain Education Minister, and '*Leadership Development Policy*' in Saudi Aram Co by the HRD Director of *Saudi AramCo* – the first woman to be appointed to this executive role. Dr Metcalfe, one of the HRD (ID) Directors also presented a keynote presentation on 'Developing Women's Leadership Capabilities in the Arab Gulf'. The presentation acknowledged the unique governance and institutional frameworks of Bahrain, premised on Islamic Shar'ia and the Bahrain Constitution agreed in 2000 where 97% of the population voted in support of the constitution. Dr Metcalfe was

also honoured to be hosted by the Bahrain Prime Minister, H.R.H. Prince Khalifa bin Salman Al Khalifa for lunch with other BSTD colleagues.

The Group visited the Gulf Petrochemical Industries Company (GPIC), one of the leading energy companies in the world and were provided insights into GPIC's strategies for HRD by Lulwa Isa Abdullah Al Mualli, the HRD Training Officer for GPIC, and also learnt about the company's environment and broader development strategies. The group also visited the *Supreme Council for Women* (SCW) which is not only responsible for women's empowerment and development planning in Bahrain, but also liaises with the *Arab League for Women* to, the UN Women based in Manama Bahrain and the GCC, to support overall human well-being. The visit to the SCW was significant as this was the first time that men had been permitted to enter the SCW, and they were honoured to have Princess Amani Saleh Sharah present plans for Bahrain women's empowerment. This included entrepreneurship support, leadership development in public administration, and also preparing women for government roles, as Bahrain is planning to introduce quotas for women in political participation.

The group also visited the *Ministry of Youth and Sports Affairs* where the strategies for youth education and employability were outlined, which provided a critical insight into comparative education systems which is part of the HRD (ID) syllabus. The group also met Ms Wafa Alammadi, the Director, Human and Financial Resources of the Human and Financial Resources Directorate of the Ministry as well as Mr Aziz Ali Aradi the HR and Administration Manager of the Labour Market Regulatory Authority. The HRD (ID) group also had the opportunity to liaise with students/groups from Universities in Bahrain, while the President of the BSTD (Mohammed Mahmood) and an Executive of BSTD (Ahmed Mahmood Attiya) provided many details of the BSTD activities, and also the Secretary General of IFTDO Dr Uddesh Kohli whose headquarters' are in New Dehli, India. We were also hosted to a Gala Dinar by the BSTD at the prestigious ART Rotana Hotel, Amawaj Island, where the University was presented with an award.

Overall, the HRD (ID) group felt that the fieldwork was an amazing development experience, as they acquired practical knowledge of HRD systems in practice in the Middle East, and also learnt about a cultural environment none had experienced before. This involved meeting lots of senior leaders in government Ministries, the private sector and NGOs. The benefits of the fieldwork are perhaps best represented by the fact that several students will be exploring/taking up the opportunity to work in Bahrain in various HRD roles after they graduate.

The fieldwork was led by the Directors of the MSc HRD (ID) programme – Dr Beverly Metcalfe and Dr Kelechi Ekuma, with support from three PhD students, while Elaine Jones and Amy Grandidge provided excellent professional support services. Many thanks to everyone who made this fieldtrip a huge success, especially the Fieldwork Team of the SEED and wonderful colleagues from the BSTD.

Social Responsibility and Engagement

Social Responsibility activity mapping: Introducing Somayeh

I have recently joined Jennifer and her team to map SEED activities which show the positive contribution of the school to Social Responsibility. At the moment, I am a research associate at the Department of Planning and Environmental Management. Through conducting interviews, and analysing documents and social media, the social responsibility team and I attempt to show the contribution of the school to the strategic priorities of social responsibility. To do this, I would like to

ask for your support and participation in this study. If you are interested in having a friendly chat about how your study, research or voluntary work, please contact me. My details are below.

Many thanks in advance,

Dr Somayeh Taheri | Research Associate

PhD Planning & Landscape | MSc, MA, BSc | RTPI, Landscape Institute, ISOCARP

Room 1.09 | Humanities Bridgeford Street Building | School of Environment, Education & Development (SEED) | The University of Manchester | +44 (0) 161 275 0809 | seyedehsomayeh.taherimoosavi@manchester.ac.uk

School Governor Initiative

The School Governor Initiative, which supports staff to take up school governor positions in local schools and colleges, recently won a Queen's Award for Voluntary Service – the highest possible award a voluntary activity can receive in the UK. Further details are available on [staffnet](#).

Volunteer school governors play a crucial role in raising educational standards. The University's School Governor Initiative aims to contribute to the leadership and improvement of state schools by engaging staff and alumni to recruit the largest numbers of school governors in the UK. As part of the University's widening participation and social responsibility strategies, the UMSGI encourages and supports staff and alumni to become school governors by helping them to find volunteering placements in local schools and providing a network and training opportunities to support them.

At the end of 2014/15 the total number of staff and alumni governors stood at 433. This equates to 36,372 volunteering hours, 5,196 days reaching 94,850 learners. The economic impact from the contribution of staff governors exceeds £1 million per annum.

It is a fantastic opportunity to gain and develop your skills whilst contributing to the community. Many SEED colleagues have been serving the community as governors for many years. If you are considering applying and would like to have an informal chat about the role feel free to contact Admos Chimhowu (admos.chimhowu@manchester.ac.uk), Steven Jones (sj@manchester.ac.uk) or myself (jennifer.obrien@manchester.ac.uk).

Calling all Physical Geographers based near Oldham!

We are planning to turn all our libraries (and our bookshop) into Fun Palaces on **October 1st** and we would be wondering if any volunteers may be able to facilitate some science activities for us? We'd love to have a scientist in every library but even one volunteer would be brilliant! The majority of our libraries are only open until 1pm on Saturdays so we will be running a Fun Palace from 10am – 12pm and at our two big libraries from 10am – 4pm

It's our first time getting involved in Fun Palaces and we think it's going to be great – especially having activities in our community libraries so any help you can give me would be really appreciated!

Best Wishes

Kate Smyth

Library Development Officer: Children and Young People, Cooperatives and Neighbourhoods
Oldham Library, OL1 1AL, 0161 770 8013, kate.smyth@oldham.gov.uk

Research Centres and Institutes

Global Development Institute Update

Staff News

- Bina Agarwal has been [appointed officer in the Order of Agricultural Merit](#) by France, a prestigious award is given for outstanding contributions to agricultural research, innovation or practice.
- Nicola Banks has been working in Arusha, northern Tanzania, researching the social impacts of youth unemployment. After seeing first-hand how young people were struggling to earn a living, she decided to start [a motorbike taxi ownership scheme](#) (and was recognized with a Making a Difference Award for it!)
- Joanne Jordan has organised a series of traditional '[Pot Gan](#)' performances to communicate her research into climate change and land tenure in Bangladesh.
- The communications and impact team has now been recruited, with Caroline Boyd (Addressing Global Inequalities Campaign Manager) and Minna Lehtinen (Academic Impact Communications Officer) recently joining the team.

GDI News

- Secretary of State for International Development, [Justine Greening](#), founding member and panellist of the UN Secretary General's High Level Panel on Women's Economic Empowerment visited GDI to listen to the students, academics and local NGOs for their ideas, thoughts and suggestions on women's economic empowerment in advance of the next UN panel meeting in July.
- Oxfam's [Duncan Green](#) also gave a lecture, about how change happens and how to make it happen.
- Finally, David Hulme's new book, [Should Rich Nations help the Poor?](#) is out! [Buy it from Wiley for £7.49](#), using the discount code: PY724.

Events



TEACHER ENQUIRY: A COLLABORATIVE AND AUTHENTIC MODEL

The Primary PGCE team has been working with a number of schools from the inner Manchester region to develop an innovative approach to teacher enquiry and trainee teacher placements. The project has clear links with three of the University's Social Responsibility priorities:

1. Research with impact

Developing research capacity within schools by facilitating opportunities for schools to engage in research about their school, in conjunction with trainee teachers and university-based staff.

2. Socially responsible graduates

Trainees engaging in the project will be not only developing their skills as practitioners, but also be able to exercise important ethical responsibilities, and develop their understanding of the importance of research-informed practice.

3. Engaging our communities

The project seeks to engage local schools in developing their research capacity and therefore forging strong links with the university.



JOIN US TO CELEBRATE

To celebrate, we are hosting a poster presentation event in which our school partners will be sharing their research projects.

Friday, 8 July, 3-5pm
Grand Hall, Whitworth Gallery

Join us for an exciting opportunity to find out how the Primary PGCE team has forged collaborative relationships with local schools, supporting them and our trainees in investigating an area of interest.

Themes range from supporting learners who have English as an additional language, to evaluating an innovative approach to mathematics, to considering Philosophy for children and the impact of therapeutic interventions.

To attend, or for more details, please contact:
Carole Burton - c.burton@manchester.ac.uk



Making post-war Manchester: visions of an unmade city

Manchester School of Architecture, in collaboration with MMU SCMDT, University of Manchester SEED and The Modernist Society present a public exhibition of 3D game environments and archive material of 1960s visions for 5 sites in Manchester.

For further events attached to the exhibition please see www.modernist-society.org/events/making-mcr

6th June – 24th June 2016 (weekdays only) 09.00-18.00
 Manchester Technology Centre, Oxford Road, Manchester, M1 7ED

Sketch by Peter Wright for Wilson Womersley

Making Post-War Manchester: Visions of an Unmade City

During the 1960s a vision of Manchester was being drawn up by property developers and town hall planners that only existed in architects drawings and consultant's reports and was never realised in concrete and steel. Manchester was booming and vast swaths of the city centre were scheduled for redevelopment for entertainment, shopping, education, office complexes and transportation. But as with many masterplans, only portions of what was designed were actually built. In this exhibition, for the first time, visitors will be able to encounter the 'unmade city' – the masterplans as they were intended to be. With guidance from the curators, five teams of Masters students from the Manchester School of Architecture have drawn from detailed maps, plans, sketches and archival sources to design and build 3D models of parts of the city that can be navigated using game controllers.



Central Station design by Cruickshank & Seward



Corn Exchange design by W.A. Hattrell & Partners



National Computing Centre perspective by Peter Gainsbury for Cruickshank & Seward

The exhibition has been conceived and curated by Richard Brook, Kevin Tan and Martin Dodge in collaboration with The Modernist Society. Richard is a Principal Lecturer at Manchester School of Architecture, Manchester Metropolitan University, Kevin is a Senior Lecturer in Computer Game Design and Development and Martin is a Senior Lecturer in Geography at the University of Manchester School of Environment, Education and Development. The exhibition will be presented as part of the Manchester Histories Festival 2016.

The exhibition is generously supported by Bruntwood, BDP and Hawkins\Brown.



See the coverage in [The Guardian](#) regarding this event.

Free to attend Blue Skies events at the world's biggest Festival of Business – IFB 2016 – including sessions on diversity in the workplace, environmental sustainability, future technologies, future cities, the business of football and music, and more. Key contact: info@ifba2016.com. To register and for more information visit the [Blue Skies Eventbrite site](#).

“Is private provision a homogenous educational sector?: types of private schools in Chile”

Wednesday 29th June 2.30 pm to 3.30pm in Room A 5.5 Ellen Wilkinson Building

By Dr Alejandro Carrasco-Rozas and Gabriel Guttierrez of the Catholic University of Chile and the UCL Institute of Education London.

As many of you will know, Chile has a highly privatised school system. This study is the first to look in detail at the nature of this provision – who are the providers, what are their motivations, and what kinds of differentiated educational provision has emerged in this de-regulated context? Given where the English system is heading, these findings are of particular interest here.

Alejandro and Gabriel will be available afterwards to chat to any colleagues and students who have interests in similar areas.

Sustainable Consumption Institute Seminar Series



Rethinking Green Entrepreneurship

Fluid Narratives of the Green Economy

Professor David Gibbs

Department of Geography, Environment and Earth Sciences, University of Hull

Wednesday 29 June 2016

Alumni CR, Alliance Manchester Business School
4.00 – 5.30 pm (tea & coffee from 3.45 pm)

Abstract

Green entrepreneurs have been seen as key drivers for a transition to a green economy. However, there has been limited in-depth qualitative empirical research with green entrepreneurs to date, focusing instead on typologies categorising certain 'types' of green entrepreneur. Moreover, the literature rarely situates such individual activities within broader concepts such as the green economy. In contrast, I suggest that current discourses of the green economy are important in contextualising the ways that green entrepreneurs make sense of themselves and their businesses. Green entrepreneurs are thus negotiating varying tensions between their business activities, environmental philosophies, and wider contexts at the intersection between the green economy and the mainstream economy.

Drawing on evidence from 55 interviews, I explore the narratives employed by green entrepreneurs to situate themselves within/outwith the wider green economy – the recursive framing of mainstream and niche 'green' activities provides a sense of the tensions and politics at play in the development of the green economy. This offers a new and more dynamic view of the evolving nature of 'being' and 'becoming' a green entrepreneur, rather than relying on the fixed categories espoused in previous typologies. I conclude that it is important that policy makers recognise the complex and contentious nature of green entrepreneurship, and that it is essential to view the green economy as a diverse constellation of myriad actors rather than corporate reinventions of business as usual.

Biography

David Gibbs is Professor of Human Geography at the University of Hull. His main research interests are in the field of local and regional economic development, with a focus on the environmental implications of such developments. He is the author of the books *Government Policy and Industrial Change* (1989), *Local Economic Development and the Environment* (2002) and *The Sustainable Development Paradox* (2007). Recent research projects include: *Low Carbon Shipping: A Systems Approach*, funded by EPSRC, *Low Carbon Supply Chains*, funded through the Centre for Low Carbon Futures and *Green Entrepreneurs: Transition to a Sustainable Economy*, funded by the University of Hull. He has acted as an expert advisor and consultant to the European Commission's DG REGIO on climate change and cohesion policy, the OECD on green jobs and the Local Government Association on sustainable economic development.

If you have any queries please contact Katrina Farrugia on 0161 275 0189 or sci@manchester.ac.uk

how do we align our personal desire for a better life with a shared need for a better future?

To submit an article or information to the SEED Bulletin, please email seedschooloffice@manchester.ac.uk