Plan of Clare College
The Future Cities Programme

The programme brings together academic research with commercial expertise and government engagement to contribute to how we design, develop, govern and thrive in cities. It aims to bring together academic study across a broad range of areas to consider the social, economic, political and technical dimensions of cities and to build understanding of the practical issues in developing and managing cities for the future.

Over the next three years, the Department of Land Economy will lead the 'Future Cities' initiative which will capitalise on existing teaching, research and inter-disciplinary collaborations to embed future cities as a focus of strategic development within the University. The initiative has three interconnecting strands: an annual international conference, a visiting fellow and eight PhD research fellows.

The Annual International Future Cities Conference
Each year, the conference will bring together an expert community of academics, practitioners, decision makers – including real estate developers and investors – and policymakers from the urban sphere. It will provide a unique opportunity for creative, innovative investors and developers to look at how they can address risks and responsibilities in the context of the environment and society, how they can make the most of new technologies, and how they can discover new opportunities around future cities.

The Annual Visiting Fellowship
Creating a new Visiting Fellowship each year enables the Department to bring in an outstanding scholar and/or practitioner working in the broad field of land economy with a focus on technology, urban development and futurology, and specialist knowledge and skills in resilience and adaptability.

The Annual PhD Research Fellows
Each year eight research grants will be awarded to PhD students in order to develop research in relation to the future development of cities, to produce a research paper and present at the annual international conference on 'Future Cities'.

The programme is led by the Department of Land Economy in collaboration with the Cambridge Forum for Sustainability and the Environment.

The Future Cities programme is funded through a generous gift from Capital & Counties Properties Plc.
Cambridge Future Cities Conference 2016
Wednesday 29th June 2016
Clare College, Cambridge, The Gillespie Centre, Memorial Court

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.45–9.30 am</td>
<td>Tea/coffee on arrival</td>
</tr>
<tr>
<td>9.30–9.45 am</td>
<td>Welcome</td>
</tr>
<tr>
<td></td>
<td>Phil Allmendinger, Head of the School of the Humanities and Social Sciences and Professor of Land Economy, University of Cambridge</td>
</tr>
<tr>
<td></td>
<td>Nick Mansley, Executive Director, Cambridge Real Estate Research Centre</td>
</tr>
<tr>
<td>9.45–10.45 am</td>
<td>Session One: Technology and its impact</td>
</tr>
<tr>
<td></td>
<td>How technology and innovation will shape cities in the future</td>
</tr>
<tr>
<td></td>
<td>Danilo Iglori, Chair, Professor Doutor &amp; Chairman, Department of Economics, University of Sao Paulo &amp; DataZAP – Real Estate Intelligence</td>
</tr>
<tr>
<td></td>
<td>Andrew Collinge, Assistant Director, Intelligence and Analysis, Greater London Authority – City Governments Role in Technology and Innovation Adoption</td>
</tr>
<tr>
<td></td>
<td>Adam Locke, Partnership and Innovation Leader, Engineering Excellence Group, Laing O’Rourke – Engineering Smarter for City Futures</td>
</tr>
<tr>
<td>10.45-11:00 am</td>
<td>PhD Student Research Presentations – part 1</td>
</tr>
<tr>
<td></td>
<td>Simon James Price – Testing 3D ground models</td>
</tr>
<tr>
<td></td>
<td>Brian Chiang – Multi-Channel Retail</td>
</tr>
<tr>
<td></td>
<td>Hannah Baker – Demolish/retain, heritage’s role in place making</td>
</tr>
<tr>
<td></td>
<td>Mingfei Ma – The future of Urban Greenbelts</td>
</tr>
<tr>
<td>11.00–11.30 am</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11.30–11.45 am</td>
<td>PhD Student Research Presentations – part 2</td>
</tr>
<tr>
<td></td>
<td>Kristen MacAskill – Infrastructure design and disaster risk management</td>
</tr>
<tr>
<td></td>
<td>Kirsten Van Fossen – Urban design to promote public health</td>
</tr>
<tr>
<td></td>
<td>Juan Fernando Bucheli – Urban segregation, how quality of life is affected</td>
</tr>
<tr>
<td></td>
<td>Charlie Barlow – Engagement and inclusion in mixed income/tenure housing</td>
</tr>
<tr>
<td>11.45 am–12.45 pm</td>
<td>Session Two: How we live together in cities</td>
</tr>
<tr>
<td></td>
<td>Place making – public and private spaces. Equality, diversity, the formation of communities and how these factors affect people living in cities</td>
</tr>
<tr>
<td></td>
<td>Phil Allmendinger, Chair – introductory remarks</td>
</tr>
<tr>
<td></td>
<td>Dimitris Ballas, Senior Lecturer, Department of Geography, University of Sheffield – What makes a happy city</td>
</tr>
<tr>
<td></td>
<td>Ron Bakker, Founding Partner, PLP – Connections – Learning from The Edge</td>
</tr>
<tr>
<td>12.45–2.00 pm</td>
<td>Lunch in the Garden Room and student Poster Displays in the Elton-Bowring Room</td>
</tr>
</tbody>
</table>
2.00–2.30 pm  
**Keynote Speech**

*Density and high-rise living*  
**Professor Edward Ng**, Architect and Professor of Architecture, Chinese University of Hong Kong [CUHK] and Associate Director of the Institute of Future Cities – ‘High Density City Living’ – What is High Density City Living? How does it work? What are the costs and benefits? How we may design and plan towards it? And what can be its future?

2.30–3.30 pm  
**Session Three: Upwards or Outwards?**

*Debate on high rise living, density and planning issues*  
**Professor Colin Lizieri**, Chair – Grosvenor Professor of Real Estate Finance, Head of the Department of Land Economy, University of Cambridge  
**Paul Cheshire**, Professor of Economic Geography, LSE – It’s Rising Incomes Stupid: so we need to go UP and OUT  
**Edward Ng**, keynote speaker  
**Koen Steemers**, Professor of Sustainable Design, Department of Architecture, University of Cambridge

3.30–4.00 pm  
Break for tea & coffee

4.00–5.15 pm  
**Session Four: Risk, resilience and response**

*How cities will become more resilient, respond to and recover from shocks and the part that climate change, and green & blue spaces will play in future cities*  
**Lord Chris Smith**, Chair – Master of Pembroke College  
**Paul Linden**, GI Taylor Professor of Fluid Mechanics, University of Cambridge – MAGIC: Managing Air for Green Inner Cities  
**Catharine Ward Thompson**, Professor of Landscape Architecture, University of Edinburgh – Urban green/blue space, resilience and human health

5.15–5.30 pm  
Closing Remarks and invitation to walk across backs for drinks at Clare College  
**Nick Mansley** and **Phil Allmendinger**

Evening Agenda

5.30–6.50 pm  
Pre-dinner drinks in the Scholars Garden by the river at Clare College

7.00 pm  
Dinner in the 17th century Great Hall, Clare College

Post dinner  
Drinks in the vaulted bar
Keynote Speaker and Visiting Fellow

Edward NG
Architect and Professor of Architecture, Chinese University of Hong Kong

Professor Edward Ng is an architect and Yao Ling Sun Professor of Architecture in the School of Architecture of The Chinese University of Hong Kong (CUHK). He specializes in Green Building, Environmental and Sustainable Design, and Urban Climatology for City Planning. Professor Ng is also the Director of the Master of Science of Sustainable and Environmental Design Programme. As an environmental consultant to the Government of the Hong Kong Special Administrative Region, Professor Ng developed the performance-based daylight design practice note, the Air Ventilation Assessment Technical Guidelines and the Urban Climatic Maps for City Planning. He is now working with governments and agencies in Singapore and Macau, as well as a number of Chinese cities, on Urban Climatic Maps. Professor Ng has published over 400 papers and 3 books. He has twice received the International Award from the Royal Institute of British Architects (RIBA).

As the Visiting Fellow under the Future Cities programme, as well as being the keynote speaker at the conference, Edward will also spend time at the Department of Land Economy within the University in order to share his expertise and build relationships with researchers in Cambridge and beyond.
Speakers and Chairs
Listed in order of appearance in the programme

Philip Allmendinger
Head of the School of the Humanities and Social Sciences and Professor of Land Economy, Department of Land Economy, University of Cambridge

I research the theory and practices of land use regulation and spatial planning with a focus upon development and housing. Recent projects and publications have explored the fragmenting practices of planning at different scales, the relationship between national objectives and local development strategies and alternative regulatory and fiscal mechanisms for development. This work is grounded within and informed by a range of theoretical frameworks but seeks to make sense of and bridge the gap to how localities approach change in the built and natural environments.

Nick Mansley
Senior Visiting Fellow and a Director of the Real Estate Research Centre, University of Cambridge

Nick is Executive Director of the Cambridge Real Estate Research Centre at the University of Cambridge in the Department of Land Economy where he undertakes research and teaches on real estate and related finance, investment and economics issues. He is also on the investment committee of Hunter UK Retail Trust, is Chair of the Lord Chancellor’s Strategic Investment Board, an external industry adviser to the Official Solicitor and Public Trustee and a member of the UK executive of the Urban Land Institute. He also undertakes consultancy assignments for a range of real estate and investment businesses. He has over 25 years of real estate experience. He served as the independent director of the Hansteen Property Unit Trust II and has advised a number of real estate and public sector bodies over the last few years including on specific developments and projects as well as on evaluation methodologies. He previously led the global multi-manager business at Aviva Investors responsible for c$20bn of investments across all asset classes with teams based in seven locations globally and prior to that was global head of strategy in the real estate business. Nick is also a keen triathlete representing Great Britain for his age group in duathlon and triathlon in 2016.
Danilo Igliori  
**Professor Doutor in the Department of Economics at University of Sao Paulo and Chairman of DataZAP – real estate intelligence**  
Danilo Igliori is Professor Doutor in the department of economics at University of Sao Paulo and Chairman of DataZAP – real estate intelligence, holds a PhD from the University of Cambridge where he lectured during 2004-2011 and was the Adam Smith Fellow in Political Economy at Pembroke College during 2009-2011. Dr Igliori has extended experience in the private sector, including BTG Pactual, Vale and Unibanco. He has also acted as an economic consultant for the private sector, government departments (in Brazil and in the UK) and international agencies (World Bank, Inter-American Development Bank). During 2008-2009, Dr Igliori was the director of projects and industrial studies at MCM Consultores Associados (an economic consultancy). His research interests include environmental and resource economics, industrial clusters, urban economics and real estate, innovation, creative industries, and economic development in the Brazilian Amazon. He is co-editor of Spatial Economic Analysis and Fellow of the Regional Studies Association. He has published in leading academic journals including Land Economics, Journal of Regional Science, Urban Studies and Development and Change. He has also contributed to a number of edited volumes and published two books.

Andrew Collinge  
**Assistant Director, Smart City Lead, Greater London Authority**  
Andrew is a member of the Senior Management Team of the GLA. In 2013, he led on the development of the Mayor of London’s principle strategy document “2020 Vision – The Greatest City on Earth”. He is the Greater London Authority’s lead officer on the Smart City Agenda, supporting the work of the Smart London Board and driving a programme of work across a range of partnerships with business, academia and other cities. He is Director of “Sharing Cities”, one of the European Commission’s H2020 Smart Cities and Communities Programme being run across the lead cities of London, Lisbon and Milan. Andrew recently published “Data for London”, a world first strategy designed to ensure the capabilities, talents and capacity of the city data ecosystem in London have the maximum impact on the city’s social, economic and service-based challenges. He is responsible for the London Datastore, recently recognised internationally as a winner in the Open Data Institute’s annual awards.

Andrew is an Honorary Fellow at University College London (CASA) and a member of the external advisory board of the University of Warwick’s Institute of Science in Cities. He sits on the Global City Leaders Advisory Board for the World Council on City Data (WCCD).

Andrew is a board member of Funding London, an organisation which through loan and equity finance supports tech and digital businesses in the capital.
Adam Locke, MA, MSC, MBA, CENG, MICE  
Partnership and Innovation Leader, Engineering Excellence Group, Laing O’Rourke

Adam Locke is Partnership and Innovation Leader within the Engineering Excellence Group at Laing O’Rourke. Adam works with clients and industry and academic partners to promote innovation in business opportunities and develops enhanced capabilities through internal and collaborative research, development and education. Adam is the leader of a 22-partner consortium for the Advanced Manufacturing of Homes Buildings and Infrastructure project which is government grant co-funded through the Advanced Manufacturing Supply Chain Initiative (AMSCI). His portfolio includes research with more than six partner universities and Innovate UK collaborations focussed on design for manufacture and assembly (DfMA) and digital engineering.

Prior to joining Laing O’Rourke in 2007, Adam was a Divisional Director at Mouchel Management Consultancy, specialised in providing integrated multi-disciplinary advice including strategic planning, business case, PFI/PPP procurement, funders and regulatory due diligence covering a range of Building and Infrastructure sectors. Previously, Adam was a Manager in Andersen Business Consulting’s Strategy Organisation and People group. Adam’s early engineering career was working with Atkins, Halcrow and Balfour Maunsell (now AECOM). Adam has an MBA from INSEAD and is a Chartered Civil Engineer, with degrees in Engineering Science from the University of Cambridge and Environmental Engineering from Imperial College London.

Dimitris Ballas  
Senior Lecturer in the Department of Geography, University of Sheffield

Dimitris Ballas is a Senior Lecturer in the Department of Geography at the University of Sheffield and Associate Professor in the Department of Geography at the University of the Aegean. He is an economist by training (1996, University of Macedonia, Thessaloniki, Greece) and also has a Master of Arts (with distinction) in Geographical Information Systems (1997, University of Leeds, UK) and a PhD in Geography (2001, University of Leeds, UK). He has published widely in the fields of social and economic geography, social and spatial inequalities, regional science and Geoinformatics in the Social Sciences. His most recent work includes *The Human Atlas of Europe: A Continent United in Diversity*, co-authored with Danny Dorling and Benjamin Hennig (Policy Press, Bristol, forthcoming in the autumn of 2016).
Ron Bakker  
Partner, PLP Architecture

Ron Bakker is a founding partner of PLP Architecture, and has led many major projects to successful completion both in the UK and abroad. His most recent project is The Edge, the world’s most sustainable office building for Deloitte in Amsterdam. Ron has a particular interest in the role of new technologies in the built environment, and their impact on our productivity and well-being. He speaks regularly at universities around the world, and at various forums on real estate, urban development and digital technology in architecture, including at TEDx. Ron studied under the tutorship of Aldo van Eyck, Herman Hertzberger, Niels Prak and Joop van Stigt at Delft University of Technology.

Professor Colin Lizieri  
Grosvenor Professor of Real Estate Finance, Head of the Department of Land Economy, University of Cambridge

Colin has over thirty years experience as a researcher, consultant and academic in property markets. Prior to joining Cambridge he taught at the University of Reading, at City University and the University of Toronto. Recognition of his work includes the award of the David Ricardo medal by the American Real Estate Society, “the highest recognition by ARES of scholarly work in the real estate discipline”; the International Real Estate Society Achievement Award for international real estate research “for outstanding achievement in real estate research, education and practice at the international level”; and election as an honorary fellow of the Society of Property Researchers “in recognition of an outstanding contribution in the field of property research”. Colin was appointed as chair of the World Economic Forum’s Global Agenda Council on The Future of Real Estate and Urbanization in 2014. He became head of the Department of Land Economy in January 2016.

Paul Cheshire  
Professor of Economic Geography, London School of Economics

Paul Cheshire is Professor of Economic Geography at the London School of Economics. He is an applied urban economist with a strong interest in policy analysis. He has published extensively, especially on urban growth in Europe, and urban land markets and the economic effects of land use planning. He is the author/editor of 12 books including Urban Economics and Urban Policy: Challenging Conventional Policy Wisdom (2014) and more than a 100 journal articles. He has acted as consultant to several UK government departments, as well as international organisations including the European Commission, the New
Zealand government, the OECD, the UN and the World Bank. He was an advisor to both Barker reviews of planning and the Eddington Commission’s enquiry into transport infrastructure and a Board member of the National Housing and Planning Advisory Unit. He is a member of the DCLG’s Planning Sounding Board and of the ULI’s UK committee. He is an elected Fellow of the Academy of Social Sciences and a Weimer Fellow. He won the Royal Economic Society’s Best Paper prize in the *Economic Journal* for 2004 and the EIB-ERSA Prize in 2009.

Koen Steemers  
**Professor of Sustainable Design, Department of Architecture**  
**University of Cambridge**  
Koen Steemers is an architect and environmental design specialist and Professor of Sustainable Design in the Department of Architecture, where he was Head of Department (2008-14), and Director of the Martin Centre for Architectural and Urban Studies (2003-08). His current work deals with the environmental performance of buildings and cities, ranging from energy use to human wellbeing. He leads the ‘Behaviour and Building Performance’ research group of 15 academics and research students.

Lord Chris Smith  
**Master of Pembroke College**  
Lord Chris Smith, an Honorary Fellow of Pembroke since 2004, took a double first in English at Pembroke and was President of the Union Society. His PhD was devoted to the idea of solitude in Romantic poetry, with reference to Wordsworth and Coleridge. After a year at Harvard as a Kennedy Scholar he worked in housing in the London Borough of Islington, and was Member of Parliament for Islington South and Finsbury from 1983 to 2005. As Secretary of State for Culture, Media and Sport from 1997 to 2001 Chris Smith was responsible for the reintroduction of free admission to Britain’s museums and galleries. In 2005 he was created a life peer and admitted to the House of Lords, where he sits as an independent peer. He was founding Director of the Clore Leadership Programme from 2003 to 2008, served as Chairman of the Environment Agency between July 2008 and September 2014, and has been the Chairman of the Advertising Standards Authority since July 2007. Among his other contributions to public life he is Chairman of the Wordsworth Trust and Chairman of the Art Fund. Lord Smith has been Master of Pembroke College, Cambridge, since 1st October 2015. He is also a keen mountaineer.
Paul Linden
G.I. Taylor Professor Emeritus of Fluid Mechanics, Department of Applied Mathematics and Theoretical Physics (DAMTP)

Paul Linden’s research has applications in geophysical, environmental and industrial engineering. The flows encountered in natural and industrial contexts are usually turbulent and have variations in density which produce strong buoyancy forces. His research focuses on the physical processes involved to obtain a greater understanding of the underlying principles governing these flows. The Environmental and Industrial Fluid Dynamics group at DAMTP conducts experimental and theoretical research on problems associated with our environment and the processes that affect and are impacted by climate change. They study and develop models of the fluid flow in low-energy buildings, gravity-driven flows in stratified and rotating fluids, internal waves and mixing in stratified fluids.

Catharine Ward Thompson
Professor of Landscape Architecture, University of Edinburgh
Director, OPENspace research centre

Catharine Ward Thompson is Professor of Landscape Architecture at the University of Edinburgh and Director of OPENspace research centre. Her work focuses on inclusive access to outdoor environments, including work with children, young people and older people; it covers environment-behaviour interactions, historic landscapes and contemporary needs, and salutogenic environments. She has advised on the Scottish Government’s Good Places, Better Health policy and the NHS/Health Scotland Place Standard. She recently co-authored a report for WHO European Region on links between urban green space and health. Current research includes a focus on the relationship between the quality, quantity and accessibility of green space, urban resilience and people’s health and wellbeing. http://impact.hss.ed.ac.uk
**PhD Prize Fellows 2016**

**Simon James Price**  
Applied geoscientist and PhD student, University of Cambridge  
Geological ground-use optimisation for sustainable urban development planning: A case study from Earls Court, London, UK  
My research interest is in using geological and geotechnical ground models to optimise the use of ground for sustainable development planning in towns and cities. Increasing pressure on land to support sustainable development requires prior knowledge of the ground to assess its suitability to meet planned uses and to determine the sustainability of ground-based development options. The research presented here tested the development of a 3D geological ground model and derived 2D geological datasets to support sustainable development decision-making using Earls Court, London, UK as a case-study. The 3D geological model was combined with 2D geospatial datasets to test ground suitability for proposed infiltration sustainable drainage systems (SuDS) and ground source heat (GSH). The assessment revealed constraints for the development of infiltration SuDS but opportunities for bespoke design that considers the thickness of overlying permeable sand and gravel and the susceptibility of the London Clay Formation to volume change and ground movement. GSH opportunities exist depending on site-specific thermal and hydraulic properties and heat exchange design. The outcomes of the geospatial assessment demonstrate the potential to develop an effective urban underground space (UUS) plan that could be integrated with wider city masterplans to meet sustainability objectives.

**Brian (Wen-Te) Chiang**  
PhD Candidate in Land Economy, University of Cambridge and Senior Urban Design Officer at London Borough of Tower Hamlets  
Town Centres in Informational Consumerism – Spatial Consumption of Multi-channelled Shopping Places  
I am an urban designer with a background in planning, real estate finance and the social sciences, and I am a supervisor of Quantitative Research Methods II in the Department of Land Economy. Prior to commencing my PhD research, I have worked as an urban designer in both the public and private sectors in London, and I also undertook a Masters Degree in City Design and Social Science at London School of Economics. I am currently a senior urban design officer at London Borough of Tower Hamlets, and I am engaged with work on the Borough’s new local plan.  
“My research interests incorporate cities and consumption in the information age. Information technology as a new communication medium has fundamentally transformed how, when, where and what consumers shop, and my PhD is focused on town centres in informational consumerism with the aspect of ‘spatial consumption’ of multi-channelled shopping places.”
Hannah Baker  
Graduate student in civil engineering, Department of Engineering, University of Cambridge  
*Masterplan Regeneration on Brownfield Sites – The decision to demolish or adapt existing buildings*

My research focuses on the decision to demolish or adapt existing buildings on masterplan regeneration sites. The research identifies what criteria different stakeholders (developers, planners, the public, design-team etc…) consider to be important in the decision-making process, where stakeholder interests align and how the process could be improved.

I am currently in my 1st year of PhD research as part of the Future Infrastructure and Built Environment Centre for Doctoral Training (FIBE CDT) based in the Engineering Department, University of Cambridge. Previously I competed my undergraduate degree in Architecture at Cambridge and a Masters in Planning, before working for a Research Consultancy. I aim to utilise my multi-disciplinary background through my research. For example, it explores how intangible values such as heritage and its contribution to place-making can be combined with objective technical data, such as the layout and dimensions of buildings.

Mingfei Ma  
PhD student, Department of Architecture, University of Cambridge  
*Future configurations of urban greenbelts*

Mingfei Ma is a PhD student in urban planning, design and modelling in the Department of Architecture. She is interested in understanding how planning policies affect the development of cities and how residents adapt to the changes. Trained as an architect in undergraduate studies, she is particularly interested in using the insights from quantitative analysis to create design solutions.

Her research topic for the Future Cities project is *The Future Configurations of Urban Greenbelts*. She is using computer models to quantify the greenbelt policy impacts on the economic performance of fast growing cities, and to test how greenbelts change travel behaviour. The modelling results provide insights to design alternative configurations to greenbelts.

It aims to understand how town centres function in this context of informational ‘Future Cities’, and the role and value of amenity space in the informational consumption process. Based on the anticipated evidence from the research, it will then provide critical assessments of relevant planning policies and strategies."
Kirsten MacAskill
Graduate Student, Centre for Sustainable Development, Department of Engineering
*Disaster risk management in shaping future cities: community engagement in theory and in practice*

Kristen is a civil engineer by training and has worked for several years as a consulting engineer in both the water and transport sectors. Her experience covers diverse areas of infrastructure development, including: concept options assessment, post-earthquake damage assessment, infrastructure design, project management and sustainability assessment.

Kristen is currently a PhD student at the Department of Engineering. Her research has involved an investigation into decision-making for rebuilding public infrastructure after disaster. She conducted a longitudinal case study of post-earthquake reconstruction in Christchurch, New Zealand, following the progression of recovery after a series of major earthquakes that occurred in 2010 and 2011. One of the key observations from this research is how community interest in the reconstruction in Christchurch had an influence on how infrastructure was rebuilt. Kristen’s Future Cities research expands on this topic and investigates the role of community participation in disaster risk management.

Kirsten van Fossen
Doctoral Student in Department of Engineering, Centre for Industrial Sustainability
*Exploring entrepreneurial innovation to improve food systems and public health*

Kirsten is a systems thinker passionate about sustainable innovation, which she understands as the execution of ideas that enable us to nurture our planet, our current population and future generations in an ethical and financially viable manner. In her PhD research she investigates how entrepreneurial innovation can serve as a mechanism to improve our food system, which is at the center of multiple issues, and particularly how the food system can be improved to positively impact public health. Future cities will have to cope with urbanization and the worldwide population growth that is anticipated to put major strain on food systems. In order to achieve a sustainable food system, future cities will require inhabitants to source, purchase and consume food differently. Kirsten is always interested to learn of new sustainable innovations in the food-health space.
Juan Fernando Bucheli  
PhD student at the Centre of Development Studies, Department of  
Politics and International Studies (POLIS), University of Cambridge  
*Placing Capabilities in Urban Spaces: The Capability Approach to Residential Segregation*

Fernando previously completed a MPhil in Development Studies at Cambridge University and a Masters Degree in Development Economics and International Aid at the Universidad Complutense de Madrid. He has over nine years experience lecturing on topics such as Development Project Management, Aid Effectiveness and Evaluation of Public Policy at the Universidad Externado de Colombia. He has also worked as a consultant for state institutions and donors such as USAID, GIZ and AECID in areas such as aid harmonisation and evaluation of international aid.

Currently, Fernando is studying alternative methodologies to assess urban quality of life in cities. He is researching how residential segregation affects levels of wellbeing in young adults in Bogota where dynamics of exclusion and inequality among city dwellers is prominent. His work attempts to operationalise the human development paradigm of the Capability Approach within the field of urban studies, as current approaches to urban quality of life do not take into account aspects of opportunities, choices and freedom when evaluating how people live in, and experience the city.

He has received a scholarship from the Cambridge Trust and the Colombian Department of Science, Technology and Innovation (Colciencias) to carry out his PhD studies.

Charles Barlow  
Graduate student, Department of Geography, University of Cambridge  
*When community and condos collide: the uneven geographies of housing wealth in mixed-income neighbourhood transformation*

Charles Barlow is a PhD candidate in the Department of Geography and Trinity College at the University of Cambridge, and Lecturer in Public Policy and Geography at the University of Chicago. His interests lie at the nexus of residential segregation, the politics of neighbourhood transformation, and financial innovation in the housing market.

As an activist-scholar, Charles oversees several participatory research projects with community organisations and government agencies across Chicago. Most recently, his research group published ‘Building Vibrant Communities’ (Chicago Policy Research Team, 174 pp.), a policy report presenting strategic recommendations to achieve ‘vibrancy’ in the context of the Chicago Housing Authority’s ongoing neighbourhood transformation efforts. His Future Cities paper, ‘When community and condos collide: the uneven geographies of housing wealth in mixed-income neighbourhood transformation,’ will be published later this year in Urban Transformations: Geographies of Renewal and Creative Change, an edited collection for Routledge’s Regions and Cities series in collaboration with the Regional Studies Association.
About the Department of Land Economy, University of Cambridge

The Department of Land Economy within the University of Cambridge provides a full programme of taught courses within an intensive, research-oriented environment. In the 2014 Research Excellence Framework assessment, 50% of the Department’s research work was described as “World Leading” and a further 38% as “Internationally Excellent”. The Department currently has over 40 teaching and research staff and approximately 320 students and addresses conceptual and applied topics within the areas of land use, sustainability, environmental policy, urban and regional economics, real estate finance, and regulatory frameworks for the management of land and related markets. This includes the role of public and private organisations in owning, managing and developing physical and financial assets within those markets. It also covers the related policy dimensions of managing urban growth, urban inequality and segregation, housing availability, regional economic imbalances, and urban poverty. This breadth gives the Department of Land Economy a unique and valuable perspective on critical public and private issues. www.landecon.cam.ac.uk.

Cambridge Real Estate Research Centre

The Cambridge Real Estate Research Centre acts as a focus for all real estate related research in the University of Cambridge. A primary aim of the centre is to deliver world class research on real estate and real assets. It acts to bridge the gap between academia and commercial practice, provide a hub for industry liaison, networking with other academic organisations, professional bodies and industry and aims to ensure its research is relevant and has maximum impact. Main areas of research include the analysis of investment and capital flows, the performance of real estate assets and the drivers of real estate markets.

The Cambridge Forum for Sustainability and the Environment

The Cambridge Forum for Sustainability and the Environment is an interdisciplinary Forum in the University of Cambridge and currently has 27 members from 19 departments. It aims to bring together people to discuss some of the most pressing sustainability challenges we face in the future and the research we need to do to help to prepare for and address those challenges. The Forum’s core activity centres on monthly discussions where a panel of expert ‘witnesses’ provide their perspective on a series of topics related to sustainability and the environment. The overarching theme for the Forum is ‘sustainability in an uncertain future’. Our first topic was ‘Sustainable Cities’, we then moved to ‘Land Use’ and this year we have been exploring ‘Risk, Resilience and Response’ in connection to food and water, cities and energy. For more information, please see our website: www.cfse.cam.ac.uk
Contacts

For further information about Future Cities, please contact:

**Nick Mansley**
Senior Visiting Fellow and a Director of the Real Estate Research Centre
nm558@cam.ac.uk

**Maria Abreu**
University Lecturer in Land Economy
ma405@cam.ac.uk

**Rosamunde Almond**
Cambridge Forum for Sustainability and the Environment
reaa2@cam.ac.uk

**Konstantina Stamati**
Cambridge Forum for Sustainability and the Environment
ks712@cam.ac.uk

**The Cambridge Real Estate Research Centre**

crerc@hermes.cam.ac.uk

The Future Cities Programme is generously supported by Capital & Counties Properties PLC, one of the UK’s largest investment and development property companies and constituent of the FTSE-250 Index. Capco specialises in central London real estate and has assets valued at £3.7 billion (as at 31 December 2015) in two landmark London estates: Covent Garden, including the historic Market Building, and Earls Court Properties including the Empress State Building together with the Venues business. The company is listed on the London Stock Exchange and the Johannesburg Stock Exchange. www.capitalandcounties.com