

UNIVERSITY OF
Southampton

International Conference on **Evolving Cities**

Propelling cities to healthy & low carbon pathways bringing together global experts to discuss the future of cities in the context of the COP 26 campaigns

22-24 Sept. 2021 | University of Southampton | UK

Energy & Climate Change Division
Sustainable Energy Research Group

Welcome

International Conference on Evolving Cities

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Message to participants

In the run-up to the **UN Climate Change Conference (COP 26)** in Glasgow, join us to debate the role of cities in addressing climate change and accelerating the transition to net-zero carbon. The **International Conference on Evolving Cities (ICEC)** brings together global experts to discuss the future of cities in the context of the COP26 campaigns e.g. energy transition, clean road transport, climate adaptation and resilience and natural resource use. Safeguarding citizens, nature and economies within our cities from the impacts of climate change. ICEC addresses the important issues related to cities and their evolution be it through infrastructure, energy, data, carbon, comfort, to name but a few. Cities consume around 75% of our energy with a similar value for emissions. Hence impacting the environment and society.

ICEC 2021 has received over 90 abstract submissions from 51 institutions across 26 countries with 10 keynote speakers (see overleaf) providing a breath of topics which are current and illuminating. Attendees will include members of parliament, local authorities, regional and non-governmental organizations, private sector representative and leading academics and young researchers.

ICEC 2021 will provide opportunities to network, debate and present. Over the three days of the conference issues pertinent to urban development and climate change will be presented addressing cutting edge research in cities including infrastructure, data, energy, energy efficiency, net zero carbon, public policy development, and improvement of social wellbeing.



Prof AbuBakr Bahaj
ICEC 2021 Chair | Head, Energy & Climate Change Division, University of Southampton



Dr Stephanie Gauthier
ICEC 2021 Chair | Lecturer in Energy and Buildings, University of Southampton

Conference Outputs

Book of Abstracts: All abstracts will be published in a ICEC2021 Book of Abstracts which are indexed with a Digital Object Identifier (DOI).

ICEC2021 Proceedings: Authors of accepted abstracts are invited to submit full papers to be included in the ICEC conference proceedings which are indexed with a DOI. See <https://evolvingcities.org/icec-proceedings/>.

Best Paper Award: A best paper from the conference proceedings will be selected by the Scientific Panel for a prize of 500 Swiss Francs.

Journal Publication: Selected Papers from the ICEC 2021 Conference will be published in a special issue in the Open Access Journal Energies. See <https://evolvingcities.org/special-issue/>.



Deadline for full paper: 31 Jan 2022

Programme

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	DAY 1 Wednesday - 22 nd Sept.	DAY 2 Thursday - 23 rd Sept.	DAY 3 Friday - 24 th Sept.
8:00	Registration & log-in	Registration & log-in	Registration & log-in
	Opening ceremony		
	Contributed papers	Contributed papers	Contributed papers
	Networking & exhibition	Networking & exhibition	Networking & exhibition
	Forum: Smart cities & infrastructure	Forum: Local authorities	Forum: Energy, buildings & policies
	Break & exhibition	Break & exhibition	Break & exhibition
	Contributed papers	Contributed papers	Contributed papers
	Networking & exhibition	Networking & exhibition	Local visits: University Laboratories City of Southampton (optional)
	Contributed papers	Contributed papers	
17:00	Closing remarks	Closing remarks	

The above programme overview is provisional and subject to change.

ICEC 2021 is planned to be an in-person meeting coupled with an online hybrid format, but if circumstance do not allow this, the conference will go online.

BUSINESS / INDUSTRY

LOCAL & NATIONAL GOVERNMENT

ACADEMIA



CITIES & INFRASTRUCTURE

Developing engineering solutions for the planning & management



ENERGY & NET ZERO CARBON

Engineering pathways for reliable and affordable sources of



SMART CITIES & DATA

State of art in smart cities. Understanding the impact of AI on



ENERGY, BEHAVIOUR & WELLBEING

The role of perception and behaviour in the design and

INFORMATION
& REGISTRATION

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Keynote speakers

**Professor Brian Collins CB**

Professor of Engineering Policy, University College London

Prof Collins served as specialist adviser to the House of Lords Science & Technology Committee's inquiry into scientific infrastructure in 2013 and 2014. Before joining UCL, he served as Chief Scientific Advisor (CSA) to two Government departments (Transport 2006-11; Business Innovation and Skills 2009-11), with responsibility for overseeing science, engineering and technological activities.

**Professor Rachel Cooper OBE**

Professor of Design Management & Policy, Lancaster University

Prof Cooper is Distinguished Professor of Design Management and Policy at Lancaster University. She is Director of Imagination Lancaster, an open and exploratory design-led research centre conducting applied and theoretical research into people, products, places and their interactions, and also Chair of Lancaster institute for the Contemporary Arts.

**Sir Ian Diamond**

UK's National Statistician

Sir Diamond is the UK's National Statistician and was the chair of the Social Security Advisory Committee (SSAC) from August 2018 to August 2019. Sir Ian, who was knighted in 2013 for his services to social science and higher education, was the Principal and Vice Chancellor of the University of Aberdeen until 31 July 2018.

**Professor Borong Lin**

Associate Dean, School of Architecture, Tsinghua University

Prof Lin has been actively studying and promoting the research of building energy efficiency modelling for early design stage, green building performance diagnosis and urban microclimate simulation. His academic achievements include but not limited to the areas of construction principal, performance-oriented design methodology and quantified evaluation modelling for green buildings.

**Professor Yanfeng Liu**

Changjiang Distinguished Professor, Xi'an University of Architecture & Technology

Prof Liu is a Professor of Building Service at Xi'an University. He is the committee member of International Solar Energy Society, and vice chairman of (i) the academic committee of Near Zero Energy Building of China and (ii) the BIPV Committee of China Photovoltaic Industry Association. Prof Liu has published over 300 academic papers, 10 books, holds 40 patents and 11 national / industrial standards.



Anne-Marie Mountifield

Solent Local Enterprise Partnership (LEP) Executive Director

Anne-Marie Mountifield has been the Chief Executive and Board Director at the Solent Local Enterprise Partnership (LEP) since 2012. She is also the Executive Director on Solent Freeport Consortium Limited and a non-executive director of Maritime UK. A Fellow of the Institute of Directors, in 2020 Anne-Marie was awarded Chartered Director of the Year for London and the South East.



Chris Nicholls

Senior Economist, Home Energy Analysis and Research Team, BEIS

Chris Nicholls leads a team of analysts responsible for advising on optimal design for policies aimed at improving the energy efficiency of domestic residential buildings. Previously he was the economist for the Construction Confederation, a construction trade association. He also co-authored the *Barker Review of Housing Supply*, an independent review of the UK's new housing market.



Professor Alan Penn

Chief Scientific Adviser at the Ministry of Housing, Communities and Local Government, University College London

Prof Penn is a former Dean of the Bartlett faculty of the Built Environment (2009-19) and is a founding director of Space Syntax Ltd, a UCL knowledge transfer spin out with a portfolio of over 100 applied projects per year. His research focuses on understanding the way that the design of the built environment affects the patterns of social and economic behaviour of organisations and communities.



Professor Nick Tyler CBE

Chadwick Professor of Civil Engineering, University College London

Prof Tyler is the Director of the UCL Centre for Transport Studies and Chadwick Professor of Civil Engineering, and investigates the ways in which people interact with their immediate environments. He set up the Accessibility Research Group within the Centre for Transport Studies, with a team of researchers investigating many aspects of accessibility and public transport.



Dr Alan Whitehead MP

Shadow Minister for Business, Energy & Industrial Strategy, Energy & Climate Change

Dr Whitehead has been the Member of Parliament (MP) for Southampton Test since 1997. He has long been a champion for renewable energy sitting on a number of influential Select Committees relating to energy



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