

Week 01 - Climate Challenge

02/02 - The Climate Challenge - 6-8pm

03/02 - Sustainable Timber & Offsite Manufacture - 6-8pm

04/02 - Counting Carbon - 6-8pm

05/02 - Open House - 6pm

Riverside Sunderland: University Design Challenge Webinar Series



#RSUDC21



WEEK ONE RIVERSIDE SUNDERLAND: UNIVERSITY DESIGN CHALLENGE

TO ADDRESS THE CLIMATE CHALLENGE WE MUST BUILD DIFFERENTLY | THAT IS WHY WE ARE BRINGING TOGETHER INTERDISCIPLINARY STUDENTS FROM ACROSS THE UK TO DESIGN A UNIQUE, CARBON NEUTRAL URBAN QUARTER IN RIVERSIDE SUNDERLAND.

This webinar series, which is being held as part of the national Riverside Sunderland: University Design Challenge (#RSUDC21) being launched on 1 February, allows built environment students from across the UK to join with industry experts to learn how they can help to make the future of construction sustainable.

Over four weeks, students who enter into the competition will be able to learn about; **The Climate Challenge, Sustainable Construction, Materials and Carbon Emissions**, and **Net Zero in Practice**. Speakers with practical experience of building sustainably talking to students across Tuesday, Wednesday and Thursday evenings, with Friday offering students and speakers a chance to reflect, ask questions, talk, and form teams with other students for #RSUDC21.

ABOUT #RSUDC21: The team challenge is to collaborate to design (1) one 3 bed family home in detail, and (2) an indicative masterplan, to include landscape and streetscape with green and open spaces for a mixed and vibrant community of 100 desirable homes, on the Riverside Sunderland site.

The schemes must be shown to be carbon neutral, creatively employing sustainable building materials and construction methods, and be energy efficient as well as technologically smart, focussing on the health and well-being of people, the community, and our planet by making use of timber and timber-hybrid systems, and MMC.

This programme covers week one of four. More information can be found online at cti-timber.org, mobie.org.uk, or trada.co.uk.

1 FEBRUARY COMPETITION LAUNCH

18.00	Introduction	Patrick Melia <i>CE, Sunderland City Council</i>
18.10	UK Construction	Mark Farmer <i>Founding Director & CEO, Cast</i>
18.20	Background, Riverside Sunderland	Neil Guthrie <i>Sunderland City Council (Development)</i>
18.30	MOBIE	Mark Southgate <i>CE, MOBIE</i>
18.40	Timber Industry Joinery and Woodworking Structural Timber Frame	David Hopkins <i>CE, Timber Trade Federation</i> Helen Hewitt <i>CE, British Woodworking Federation</i> Andrew Carpenter <i>CE, Structural Timber Association</i>
18.55	<u>One Voice</u> Climate Emergency Value over Cost People/Education/Skills	John Nielsen <i>Chair, Construction Industry Council, & North East Director, CK21 Ltd</i>
19.00	TRADA - University Engagement Sponsors and Programme	Kelly Harrison <i>Director, TRADA</i> Tabitha Binding <i>Programme Manager, TRADA/TTF</i>
19.10	Q&A	

2 FEBRUARY THE CLIMATE CHALLENGE

18.00	Local Challenges	Will Mawson <i>Co-Chair RIBA NE Director</i> Catherine Auld <i>Assistant Director of Economic Regeneration, Sunderland City Council</i>
18.05	Net Zero/Carbon Neutral homes	Lynne Sullivan OBE <i>Chair, Good Homes Alliance, Director, LSA Studio</i>
18.15	RIBA 2030	Mina Hasman <i>UKGBC Trustee, Associate Director, & Sustainability Lead, Skidmore, Owings & Merrill</i>
18.45	<u>LEI route map</u>	James Woodall <i>LEI Volunteer, Sustainability Manager, Allies and Morrison</i>
19.15	Operational Carbon, the Basics	John Palmer <i>Research and Policy Director, Passivhaus Trust</i>
19.45	Q & A	

3 FEBRUARY SUSTAINABLE TIMBER AND OFFSITE MANUFACTURE

18.00	Local timber network (NETTA)	Richard Gore <i>Education Lead, TTF Region NETTA, Price & Pierce Forest Products Ltd</i>
18.05	Tree to Timber	Tabitha Binding <i>Programme Manager, TRADA/TTF</i>
18.15	Certified Sustainable Timber	Alun Watkins <i>Executive Director, PEFC UK Ltd</i> Charlie Law <i>Founder & Managing Director, Sustainable Construction Solutions Ltd</i>
18.45	Structural timber, solid and engineered	Iain Thew <i>Associate Structural Engineer, Structural & Civil Consultants Ltd</i>
19.00	Offsite Manufacture + Offsite Ready	Prof. Robert Hairstans <i>Edinburgh Napier University</i> Mila Duncheva <i>Edinburgh Napier University</i>
19.45	Q & A	

4 FEBRUARY COUNTING CARBON

18.00	Local Challenges	Adam Vaughan <i>Sustainability Forum, RIBA NE, & Director JDDK Architects</i>
18.05	Minimising Operational & Embodied Carbon	Joe Jack Williams <i>LETI Volunteer, Researcher Feilden Clegg Bradley Studios</i>
18.15	Life Cycle Assessment (LCA), Embodied Carbon and Environmental Product Declarations (EPD) for the construction industry.	Jane Anderson <i>Director, Construction LCA Limited</i>
19.00	FCBS Carbon a whole life carbon review tool. Introduction to FCBS Carbon which participants will use during the #RSUDC21 challenge.	Joe Jack Williams <i>LETI Volunteer, Researcher, Feilden Clegg Bradley Studios</i>
19.30	AECB PHribbon and a new standalone embodied carbon tool.	Tim Martel <i>Passivhaus Designer, Chartered Architectural Technologist, Retrofit Coordinator, PHribbon</i>
19.45	Q & A	

18.00 Open House Fridays

Speakers and webinar attendees from week one are invited to join us from 6pm.

After a week of information, ideas and concepts from leading industry experts, what better way to unwind than to join fellow climate change construction champions to reflect network and ask questions.

The evenings are informal, so put work aside, climb into something comfy grab a drink and some snacks and lets discuss, challenge and collaborate.

We are looking forward to Week Two which will bring award winning multi-disciplinary teams at the forefront of the industry, including the 2019 Stirling Prize winners Mikhail-Riches, designers of the Goldsmith Street Development in Norwich, and the teams behind the winning entries of Homes of 2030, as well as innovative examples of desirable, sustainable homes.

FEBRUARY WEEKS TWO, THREE, AND FOUR

WEEK TWO | Learn from award winning construction professionals, including the winners of RIBA's 2019 Stirling Prize, and from the recently concluded national Homes of 2030 competition.

WEEK THREE | Educate yourself on how building materials can influence the sustainability of a building, the health and wellbeing of the people living there, as well as how to best make use of sustainable timber.

WEEK FOUR | Find out the practical considerations which are required to reach Net Zero in the built environment, extending from design through to engineering and costing.

If you want to find out more about the webinar series or competition, check online at any of our partner websites www.cti-timber.org, www.mobie.org.uk, or www.trada.co.uk. Or you can email tbinding@tff.co.uk.

#RSUDC21



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