

# Green infrastructure: building service design challenge



CIBSE  
Resilient Cities



London  
South Bank  
University

**25 April, 10:00–12:30**

**Design challenge launch, briefing & technical talks**

**29 April, 15:30–17:00**

**Exhibition of the designs**

**London South Bank University  
Clarence Centre for Enterprise & Innovation**

The London South Bank University Clarence Centre for Enterprise & Innovation together with CIBSE and the ARCC network is challenging industry and academia to collaborate to develop ideas for making their offices healthier, more sustainable and climatically resilient by using green infrastructure.



**John Dover**  
Professor of Ecology, Staffordshire University

John's main research interests concern factors that affect the distribution and abundance of species within agricultural environments. Recently his interests have expanded to include the value of green walls in providing wildlife habitat and air quality improvement, and green infrastructure and its role in delivering ecosystem services.



**Dusty Gedge**

Dusty is a recognised authority, designer, consultant & public speaker on green roofs. He has worked on GI projects in the UK for the last 15 years, particularly in London while advising virtually across the world through his Green Roof Consultancy. As a speaker, he is engaging and inspiring, focusing on green roofs, green infrastructure, nature, wildlife & biodiversity.



**Dr Tijana Blanusa**  
Principal Scientist, RHS & University of Reading

Tijana's research interests include understanding how the changing environment such affects plants, but also how plants moderate the environment around them. She currently runs several projects investigating green roofs, green walls, garden hedges and other forms of green infrastructure.

## Call for posters!

Does your research look at building-level green infrastructure? Take a look at our poster call:

[www.arcc-network.org.uk/posters/](http://www.arcc-network.org.uk/posters/)



**Alan Fogarty**  
Sustainability Partner, Cundall

Alan is a building services engineer by training, with an extensive knowledge of natural ventilation design, passive design techniques and assessment of natural lighting and energy. He also has experience with chilled ceiling systems, Building Regulations (Part L) and BREEAM.



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## Monday 25 – Launch event

9:30	Registration
10:00	Welcome and Introduction to Green Sky Thinking Week and this event – Briony Turner, ARCC

### Session 1: What is possible?

10:10 to 10:40	Plants, indoor and outdoor air quality
	Green roofs & walls
	Biophilic design
	Importance of plant choice
	Questions?

### Session 2: Productive design workshop

10:50	Introduction to the design challenge – Pete Walton, University of Oxford
11:00 to 11:35	What would you change about your office?
	Green sky solutions for improving your work environment
	What could potentially prevent these from happening?

### Session 3: Wrap up

11:50	Design Challenge Technical Specifications – Sara Kassam & Anastasia Mylona, CIBSE
12:00	Workshop summary – Pete Walton, University of Oxford
12:10	Tour of the building

## Networking and Lunch

**25 April, 10:00–12:30**

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**29 April, 15:30–17:00**

**Reception & an exhibition of the designs**

## London South Bank University Clarence Centre for Enterprise & Innovation

LSBU Clarence Centre for Enterprise & Innovation together with CIBSE and the ARCC network is challenging industry and academia to collaborate to develop ideas for making the Centre offices healthier, more sustainable and climatically resilient by using green infrastructure.

The challenge will be launched at a design-thinking workshop which includes a building tour and briefing, rapid expert talks for inspiration and facilitated development of ideas.

The challenge is open to all, and welcomes interdisciplinary approaches.

The interaction of indoor plants with heating, cooling, acoustic management, air quality, staff productivity and wellbeing is an exciting and growing area of research. Fundamental to this challenge is the potential for these benefits to be combined to provide a building service. All submissions must contain both an overarching creative vision for the Centre and detailed design of an element that could be piloted as an installation.

The shortlisted designs will be presented on 29 April, followed by a public exhibition where the winning design will be announced.

CIBSE and the ARCC Network are part of the Resilient Cities Special Interest Group that facilitates leadership and knowledge on green infrastructure in a building services context.