

2024 High Performance Architecture Roadshow



Spaces are limited!
[Register here](#)

Urban Heat Mitigation & Net Zero in the Built Environment

You are warmly invited to attend our **UNSW High Performance Architecture Roadshow on urban heat mitigation and net zero in the built environment**, hosted by the UNSW Built Environment and High Performance Architecture (HPA) Research Cluster from UNSW Arts, Design & Architecture.

The Roadshow will bring together world-leading experts from UNSW, government policymakers, and industry leaders to discuss current novel technologies, strategies, actions, and future directions for urban heat mitigation and net zero in the built environment.

Our exciting list of speakers include:



14 November 2024,
1:00pm - 5:00pm



Civic Gallery, PHIVE,
Parramatta



Matthew Riley
 Director Climate and Atmospheric Science, NSW DCCEEW



Mattheos Santamouris
 Anita Lawrence Chair in High Performance Architecture, UNSW



Deo Prasad
 CEO, NSW Decarbonation Innovation Hub, UNSW



Philip Oldfield
 Head of School of Built Environment, UNSW



Lan Ding
 Convenor of the High Performance Architecture Research Cluster, UNSW



Peter Runcie
 Founder and CEO, Natirar, Event Moderator



Emma James
 Segment Lead - Recycled Water, Sydney Water



Nikki Woolley
 Manager, Cancer Institute NSW



Joanne Andrade
 National Sustainability Lead, COX Architecture



Riccardo Paolini
 Associate Professor, School of Built Environment, UNSW



Mark Egan
 City Strategy Manager, City of Parramatta



Riza Yosia Sunindijo
 Deputy Head of School of Built Environment, UNSW



Cynthia Wang
 Associate Professor, School of Built Environment, UNSW



Paul Osmond
 Associate Professor, School of Built Environment, UNSW



William Craft
 Associate Lecturer, School of Built Environment, UNSW

Program

1:00pm Registration and light lunch

1:40pm Acknowledgement of Country and Opening Remarks *Prof. Philip Oldfield*

1:50pm Welcome by City of Parramatta *City of Parramatta*

2:00pm Urban Heat Mitigation and Net-Zero Built Environments: Innovation and Transition

- » NSW Government Adaptation Strategy and Action *Matthew Riley*
- » Innovative Heat Mitigation Technologies Can Cool Down Cities *Prof. Mattheos Santamouris*
- » Decarbonation Innovation and Net-Zero Built Environments *Prof. Deo Prasad AO*
- » Embodied Carbon: It's Significance, and How We Can Reduce It *Prof. Philip Oldfield*
- » COX's Case Studies in Decarbonisation Through Integrated Carbon & Circularity Assessments *Joanne Andrade*

3:10pm Q & A *Moderator: Peter Runcie*

3:20pm Afternoon Tea

3:40pm Towards a Sustainable, Resilient and Inclusive Built Environment: Projects and Strategy

- » City of Parramatta Council Strategy & Action *Mark Egan*
- » National Heat Vulnerability Observatory Project *A/Prof. Lan Ding & Dr William Craft*
- » Benchmarking Shade Project Informing UVR Exposure and Urban Heat *Nikki Woolley*
- » Skin Cancer Prevention and Urban Heat Mitigation: An Underexplored Synergy *A/Prof. Riccardo Paolini*
- » Sydney Water Strategy and Action *Emma James*
- » Passively Irrigated Street Trees for Western Sydney *A/Prof. Paul Osmond*
- » Women in Construction Project *A/Prof. Cynthia Wang & A/Prof. Riza Yosia Sunindijo*

5:00pm Q & A *Moderator: Peter Runcie*

5:10pm Closing Remarks *Prof. Deo Prasad AO*

Event Concludes

High Performance Architecture

