

# 1<sup>st</sup> Workshop on the Thermal Energy Demand in the URban Environment (T-ENDURE)

13:00-18:00, 01/Nov/2024

Room 432, Main Building, China-UK Low Carbon College, Shanghai Jiao Tong University, Shanghai, China

## CONFERENCE PROGRAM

Time	Content
13:00-13:10	<p style="text-align: center;"><b>Opening</b></p> <ul style="list-style-type: none"> <li>■ <b>Welcome and Introduction to T-ENDURE</b> Dr. Kai Wang, China-UK Low Carbon College, Shanghai Jiao Tong University Prof. Aristides Kiprakis, School of Engineering, University of Edinburgh</li> </ul>
13:10-15:00	<p style="text-align: center;"><b>Session 1. Climate Change &amp; Policy</b> Chair: Dr. Desen Kirli, School of Engineering, University of Edinburgh</p> <ul style="list-style-type: none"> <li>■ <b>Addressing Climate Challenges in Cities: the Role of Design (13:10-13:30)</b> Prof. Ruishan Chen, School of Design, Shanghai Jiao Tong University</li> <li>■ <b>Climate Resilient Buildings and Cities for Sustainable Energy and Environment (13:30-13:50)</b> Prof. Zhiwen Luo, Welsh School of Architecture, Cardiff University</li> <li>■ <b>Progress of Nearly Zero Buildings &amp; Zero carbon buildings in China(13:50-14:10)</b> Dr. Xinyan Yang, Institute of Building Environment and Energy, China Academy of Building Research</li> <li>■ <b>Urban Thermal Environment under Climate Change: Studies from Human Perspective (14:10-14:30)</b> Dr. Dayi Lai, School of Design, Shanghai Jiao Tong University</li> <li>■ <b>Urban Energy Policy and Management for the Net-zero Carbon Transition(14:30-14:50)</b> Dr. KangKang Tong, China-UK Low Carbon College, Shanghai Jiao Tong University</li> </ul>
15:00-15:15	<b>Break</b>
15:15-17:00	<p style="text-align: center;"><b>Session 2. Urban/Building Modeling &amp; Optimisation</b> Chair: Dr. KangKang Tong, China-UK Low Carbon College, Shanghai Jiao Tong University</p> <ul style="list-style-type: none"> <li>■ <b>Decarbonising Energy Demand in the Built Environment: Challenges and Strategies for Resilience</b> Prof. Aristides Kiprakis, School of Engineering, University of Edinburgh</li> <li>■ <b>Optimizing Building Energy Consumption: Insights from Behavioural Analysis, Urban Form, and Advanced Modelling (15:35-15:55)</b> Prof. Hong Ye, Institute of Urban Environment, Chinese Academy of Sciences</li> <li>■ <b>Planning and Optimal Operation of Integrated Energy Systems—Theory and Practice</b> Prof. Qiong Wu, College of Energy and Mechanical Engineering, Shanghai University of Electric Power</li> <li>■ <b>From Movement Patterns to Carbon Reductions: A Deep Dive into Occupancy and Occupant Carbon Emissions</b> Ms. Ruiming Zhang, Department of Architecture and Built Environment, University of Nottingham Ningbo China; Institute of Urban Environment, Chinese Academy of Sciences</li> <li>■ <b>Towards Better Prediction and Mitigation of Urban Climate Risks</b> Dr. Kai Wang, China-UK Low Carbon College, Shanghai Jiao Tong University</li> </ul>
17:00-17:10	<b>Break</b>
17:10-17:50	<p style="text-align: center;"><b>Session 3. Open Discussion</b> Chair: Prof. Aristides Kiprakis, School of Engineering, University of Edinburgh</p>
17: 50	<b>Close of Workshop</b>