



复杂系统与网络科学研究中心

Research Center for Complex Systems and Network Sciences

第四十七届复杂系统与网络科学研究中心论坛

**The Forty-seventh Workshop of
Research Center for Complex Systems and
Network Sciences**

2021年5月27日 (17:30-18:20, 19:10-19:50)

程 序 册

论坛资助：国家自然科学基金委
东南大学数学双一流学科建设
东南大学数学学院

主办：东南大学复杂系统与网络科学研究中心
江苏省网络群体智能重点实验室
东南大学数学学院



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时间: 2021年5月27日, 周四 (Beijing Time: 17:30-18:20, 19:10-19:50)

Time: May 27th, 2021, Thursday

(UK time: 10:30-11:20, 12:10-12:50)

(Amsterdam time: 11:30-12:20, 13:10-13:50)

会议方式 (Meeting Method) : Tencent Meeting

会议号 (Meeting ID) : 681 150 595

会议密码 (Meeting password) : 147258

会议链接: <https://meeting.tencent.com/s/zIeEK0PdLgxt>

Weather data and design buildings for future climate

Du Hu, Cardiff University

Beijing Time: 17:30-18:20

(UK time: 10:30-11:20, Amsterdam time: 11:30-12:20)

China emission accounting and low-carbon development in cities

Yuli Shan, University of Groningen

19:10-19:50

(UK time: 12:10-12:50, Amsterdam time: 13:10-13:50)



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Weather data and design buildings for future climate

Du Hu (Cardiff University)

Abstract

The building sector contributes a third of global carbon emission, which lead to climate change and global warming. To qualify climate change, various climate projection models were produced. Taking the advantages of dynamic building simulation and climate projections, researchers can systematically test and evaluate the potential for incorporating adaptation strategies into the design of buildings. This talk will introduce the methods of generating weather data for building performance modelling and its application in designing buildings for future climate.

About the Speaker

Dr. Hu Du is a Senior Research Fellow at Welsh School of Architecture, Cardiff University and the Principal Investigator research projects funded by European Horizon, British Council, Welsh Crucible and Global Challenges Research Fund. Over past 13 years, he has worked on 18 research projects on building performance modelling, evaluation, climate change adaptation, innovative refurbishment, renewable energy, modular retrofit, funded by European Commission, Innovate UK, EPSRC, and Welsh Government. Before joining Cardiff, he was a Senior Lecturer in Architecture and Energy Simulation at Oxford Brookes University.



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China emission accounting and low-carbon development in cities

Yuli Shan (University of Groningen)

Abstract

This talk will cover some achievements in my research about China emission accounting and low-carbon development in cities. The research activities also include the development of an open-access dataset. The talk will go through emission accounting, data collection and the dataset.

About the Speaker

Yuli Shan is a Faculty Research Fellow in Climate Change Economics at the University of Groningen, and a Global Highly Cited Researcher 2020. His international reputation for environmental resources accounting, climate change mitigation in developing countries and climate change adaptation economics has resulted in 15+ academic awards, 70+ publications in high-impact journals, high profile media coverage, international conference and committee invites and contributing authorship for the 6th Assessment Report by the Intergovernmental Panel for Climate Change (IPCC).