

# Sino-Danish Special Session

## Harvesting waste heat sources and better understanding heat demands patterns for 4th generation district heating in China and in Denmark

**Date:** 11 September 2024

**Time:** 9:00-10:45 CEST

**Location:** Aalborg Kongres & Kulture Center

**Language:** English

*Open to all conference attendees*

**This Sino-Danish Special Session aims to facilitate knowledge sharing among Chinese and Danish experts within the heating sector.**

Chinese and Danish experts will give presentation on topics such as waste heat recovery, heat source pricing, metering, and alignment of heat demand and sources based on intensity. Following the initial presentations experts will engage in a panel discussion and Q&A touching upon the role of sector integration in 4th generation district heating

### Following papers will be presented:

Waste heat recovery of data centers for urban heating in China, Guo Siyue, Assistant Professor, Institute of Energy, Environment, and Economy, Tsinghua University

Intermittent and Fluctuating Waste Heat Characteristics in Steel Plants: Recovery Optimization Study, Yang Zanyu, Building Energy Research Centre, Tsinghua University

Heat source pricing - District Heating Networks, John Tang, Chief Advisor, Danish Energy Agency

Insights from Danish Heating Metering and Billing: Implications for China's Clean Heating Development, Zhang Lipeng, Local Senior Consultant in Beijing, Danish Energy Agency

Aligning Heat Demand with Sources Based on Heat Intensity: A Heat Roadmap for China, Liu Chaoyang, Building Energy Research Centre, Tsinghua University

### Panelists:

Zhang Xiliang, Professor and Director, Institute of Energy, Environment, and Economy, Tsinghua University

Henrik Lund, Professor, Aalborg University (TBC)

Chen Zhuolun, Senior Advisor, UNEP Copenhagen Climate Centre

Xu Wenlong, Deputy Chief Engineer of HVAC and Deputy Director of Technical Quality Center at China Academy Design Institute, China District Heating Association

Feng Wei, Professor, Chinese Academy of Sciences-Shenzhen Institute of Advance Technology

John Tang Jensen, Chief Advisor, Danish Energy Agency

Zhang Peng, Deputy Director Engineer, China Renewable Energy Engineering Institute

Silas Alvin Hupfeld, Team Leader of Strategic Heat Planning, Aalborg Forsyning