

## SPECIAL SESSION 1: Data Driven Techniques

Data-driven techniques use machine learning and AI to extract insights and optimize systems based on large datasets. These techniques encompass scalable optimization for deep learning, predictive models for weather, climate, and life sciences, and decision-making in energy systems. They are crucial for high-performance computing (HPC), big data analytics, cloud computing, and edge computing, enabling real-time processing in IoT networks. Additionally, data-driven techniques enhance distributed systems, networking, and blockchain technologies, driving efficiency and innovation across various domains.

### TOPICS

Scalable Optimization Methods for Deep Learning Machine Learning Systems and Tools  
Machine Learning for Weather and Climate  
Machine Learning in Life Sciences  
Data-Driven Approaches in HPC  
Big Data Analytics in HPC Environments  
Data-Driven Decision Making for Energy Systems  
AI-Driven HPC for Exascale Systems

High Performance Data-Driven Models for Scientific Computing  
Data-Driven Techniques in Distributed Systems  
Cloud and Grid Computing for Big Data Applications  
Edge Computing with Data Analytics  
Data-Intensive Applications in IoT Networks  
AI and Data-Driven Optimization in Networking  
Data-Driven Blockchain Technologies

### SPECIAL SESSION ORGANIZIERS



Dr. Jian Wang  
Faculty of Electric Power Engineering,  
Kunming University of Science and  
Technology



Dr. Zhenming Zhang  
State Key Laboratory of Low-carbon Smart  
Coal-fired Power Generation and Ultra-  
clean Emission, China Energy Science and  
Technology Research Institute Co.,Ltd.



Dr. Lei Kou  
Institute of Oceanographic Instrumentation,  
Shandong Academy of Sciences

### SUBMISSION INSTRUCTION

★ ★ Please submit your manuscript to [hp3c\\_conf@outlook.com](mailto:hp3c_conf@outlook.com) by email and mark which special session 1. ★ ★

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Template Paper: LaTeX: <http://hp3c.net/LaTeX-Templates.zip>

Submission Instruction: <http://hp3c.net/sub.html>

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**January 25, 2025**

**Notification of Acceptance:**

**February 25, 2025**

**MAIN CONTACT PERSON**



Dr. Jian Wang

Email Address:

[Jianwangzx@163.com](mailto:Jianwangzx@163.com)

Phone Number: 13615165524