

CARBON NEUTRAL FOR MINING

CREATING THE ZERO-CARBON FUTURE FOR THE ENERGY AND RESOURCE INDUSTRY

SHERATON XUZHOU HOTEL, JIANGSU, CHINA 11-13 APRIL 2025



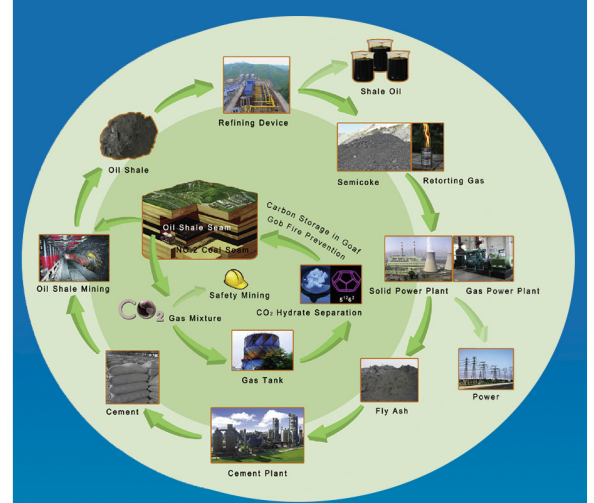
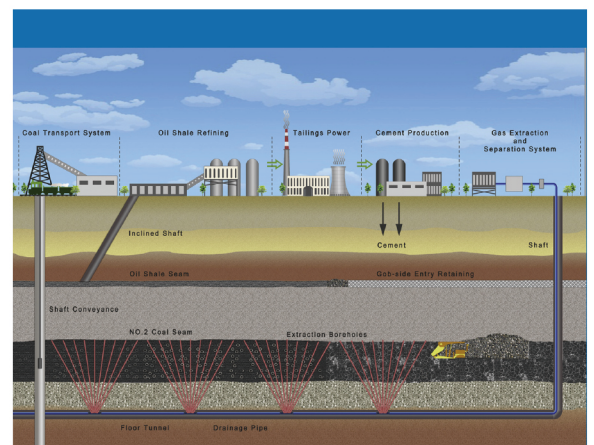
CALL FOR ABSTRACTS

The First China-Australia Peak Summit on Decarbonising the Energy and Resources Sectors (AU-CN DeCarbon 2025)

The organising committee of the First China-Australia Peak Summit on Decarbonisation the Energy and Resources Sectors (AU-CN DeCarbon 2025), in collaboration with the National Foundation for Australia-China Relation, the University of New South Wales (UNSW), China University of Mining and Technology (CUMT) and Southwest Petroleum University (SWPU), is pleased to announce the First China-Australia Peak Summit on Decarbonisation Development that will be held in Xuzhou, China, from 11 to 13 April 2025.

Greenhouse gas emissions from extracting energy and resources account for ~10% of carbon emissions in Australia and China. The First China-Australia Peak Summit on Decarbonisation Development focuses on the critical areas of resource development and coal mining industries. This summit brings together experts, researchers, and industry leaders from both countries to address key issues in reducing carbon emissions within these sectors. It provides a unique platform for promoting sustainable practices, enhancing productivity, and improving operational effectiveness. Participants will have the opportunity to exchange knowledge, explore innovative technologies, and foster collaborations aimed at achieving significant decarbonisation, thereby contributing to global sustainability efforts.

The AU-CN DeCarbon 2025 will be a peer-reviewed international conference. Oral presentations are scheduled to run for 2 days, with 1 additional day for workshops and site tours. The conference will include full-day technical presentations, workshops, exhibitor booths, networking and social activities.



CONFERENCE CHAIRS OF AU-CN DECARBON

PROF. CHENG ZHAI (CUMT, CHINA) A/PROF. GUANGYAO SI (UNSW, AUSTRALIA)

Topics of Interest for AU-CN DeCarbon 2025 include:

“双碳”战略目标下煤矿甲烷管控与减排 Management and reduction of coal mine methane	CO ₂ 地质封存 CO ₂ geological sequestration
● 煤层瓦斯地质学及流动理论 Coalbed Gas Geology and Flow Theory	● 煤矿地质特征与储层评估 Geological Characteristics of Coal Mines and Reservoir Assessment
● 煤矿甲烷减排 VAM Abatement	● 储层安全性和稳定性 Reservoir Safety and Stability
● 煤与瓦斯共采理论与技术 Theory and Technology of Coal and Gas Co-Extraction	● CO ₂ 注入技术 CO ₂ Injection Technology
● 难抽煤层瓦斯增产新技术 New Technologies for Enhanced Recovery of Hard-to-extract Coalbed Methane	● CO ₂ -煤岩相互作用 CO ₂ -Coal/ Rock Interactions
● 煤矿瓦斯与火耦合灾害防治 Prevention and Control of Coupled Gas and Fire Disasters in Coal Mines	● CO ₂ 的封存效果和安全性 CO ₂ Sequestration Effectiveness and Safety
● 废弃矿井瓦斯资源化利用 Resource Utilization of Abandoned Mine Gas	● CO ₂ 在储层中的流动特性 CO ₂ Flow in Porous Media
● 双碳背景下瓦斯防治与利用 Gas Prevention and Utilization under the Dual Carbon policy	● 经济性和政策分析 Economic and Policy Analysis
● 碳中和目标下科技创新与发展 Technological Innovation and Development under the Carbon Neutrality Goal	● 环境影响评估 Environmental Impact Assessment

Key Dates for AU-CN DeCarbon2025

Aug 15, 2024	Call for abstracts
Dec 15, 2024	Abstracts due; review begins
Jan 15, 2025	Authors' notification
Apr 11-13, 2025	AU-CN DeCarbon 2025 Peak Summit in CUMT, Xuzhou, China



Preparation of Abstracts

Abstracts can be prepared in “YOUR PAPER, YOUR WAY” format and sent to: abstract@aucndecarbon.com.au

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THE FIRST CHINA-AUSTRALIA
PEAK SUMMIT ON DECARBONISA-
TION DEVELOPMENT 2025