

Session E7 Integrated Evaluations and Interactions

Time: 10:10-12:00, 8th September

Room: 305E

REN Huazhong, Peking University, China

Co-Chairs XU Zhenci, The University of Hong Kong, China

LUO Lei, International Research Center of Big Data for Sustainable Development Goals, China

SDGSAT-1 Satellite Thermal Infrared and Nighttime Data Inversion and Analysis

REN Huazhong (Peking University, China)

Accelerating SDGs Transformation Through an Optics Lens: the Sunlight-7 Diagnostic-Intervention Framework

LUO Lei (International Research Center of Big Data for Sustainable Development Goals, China)

Analysis of the Saturation Effect of Vegetation Indices

YAN Kai (Beijing Normal University, China)

Post-Fire Forest Damage Assessment and Recovery Prediction Based on Multi-source Satellite Remote Sensing

LI Linyuan (Beijing Forestry University, China)

A Comparative Study on the Impact of IFDI and OFDI on the Progress of Sustainable Development Goals

LI Chenggang, MENG Junjie (Guizhou University of Finance and Economics, China)

A New End-to-End Model for Water Body Extraction from SDGSAT-1 MII Imagery

DOU Peng (Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, China)

The Role of Mangrove Ecosystems in Mitigating Systemic Risk and Promoting Climate Change, Socio-Economic Development, and Policy Synergies

GONG Mimi (Beijing Normal University, China)

Monitoring and Analysis of the Thermal Environment of Key Heat Sources in Beijing Using Thermal Infrared Images

LIN Songyi (Peking University, China)

CHOICE: Benchmarking the Remote Sensing Capabilities of Large Vision-Language Models

AN Xiao (Wuhan University, China)

Spatiotemporal Dynamics and Key Climatic Influences on Vegetation Resilience in Opencast Coal Mine Dumps After Restoration

WANG Hui (China University of Mining and Technology (Beijing), China)

Grid-scale Analysis of Heterogeneous Transboundary SDG

Interactions using Earth Big Data

XUE Song (SZ-HK Collaborative Innovation Research Institute, The Hong Kong University of Science and Technology, China)

Incorporating biophysical boundaries into sustainability assessment across China's cities

MENG Chonghui (Zhejiang University, China)

MP-HSIR: A Multi-Prompt Framework for Universal Hyperspectral Image Restoration

WU Zhehui (Wuhan University, China)

Spatial Distribution and Pattern Analysis of Desert Vegetation Based on High-Resolution Airborne Imagery

MA Ruixue (Peking University, China)

Xinjiang Vegetation Alliances Mapping Using Deep Learning and Multi-Source Remote Sensing Data

DING Boyang (University of Chinese Academy of Sciences, China)

Land Cover Dynamics and SDG 15 Implications for World Heritage Protection in Okapi Wildlife Reserve

FAN Jinhui (International Research Center of Big Data for Sustainable Development Goals, China)

Study on the Configuration of Water Conservancy Satellite Constellations for Watershed Monitoring

LIU Xinyu (Wuhan University, China)
