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ADAPTIVE REUSE OF INDUSTRIAL SITES: STRATEGIES FOR CLIMATE MITIGATION AND URBAN SUSTAINABILITY

Keywords: Adaptive Reuse; Industrial Heritage; Climate Change Mitigation; Sustainable Urban Planning; Environmental Impact Assessment.

This thematic session proposes an in-depth examination of adaptive reuse of industrial heritage within the context of urban climate change mitigation.

It aims to critically analyze the potential of re-purposing industrial sites, historically significant yet often environmentally detrimental, into sustainable urban spaces. The session will interrogate the extent to which adaptive reuse can contribute to reducing urban carbon emissions, enhance energy efficiency, and foster environmentally responsible community development. A key focus will be the exploration of innovative methodologies in integrating green technologies and sustainable practices in the refurbishment of these heritage sites. This includes the application of life cycle assessment models, the use of sustainable building materials, and the incorporation of renewable energy sources.

The session will provide a platform for scholarly discourse on the balance between preserving industrial heritage and addressing urgent climate change imperatives. Through a series of case studies and empirical research presentations, the session will showcase exemplary models of how adaptive reuse can be a catalyst for sustainable urban transformation, contributing to the broader global agenda of climate change mitigation. This dialogue is essential for academics, urban planners, environmental policymakers, and architectural historians committed to redefining the future of urban landscapes in the era of climate change.

CHAIRS

Asma Mehan - Huckabee College of Architecture, Texas Tech University, USA.
Dr. Asma Mehan is a researcher, educator, and architect working at the intersection of architectural humanities and critical urban studies. She is currently an Assistant Professor at Texas Tech University College of Architecture. She is the author of the books "Tehran: from Sacred to Radical" (London: Routledge, 2022) and "Kuala Lumpur: Community, Infrastructure, and Urban Inclusivity" (London: Routledge, 2020). Dr. Mehan is recently appointed as the Coordination Team (CT) leader of the Young Academics network of the Association of European Schools of Planning (AESOP YA).

Alireza Seyedi - Huckabee College of Architecture, Texas Tech University, USA.
Alireza Seyedi is a Ph.D. student in Land-Use Planning, Management, and Design at the Huckabee College of Architecture. His educational journey began with a Bachelor of Architecture from Shahid Chamran University of Ahvaz, completed in September 2020. Advancing his academic pursuits, Alireza completed a Master's in Iranian Architectural Studies in July 2023 from the University of Tehran, achieving the distinction of ranking first in Iran. Alireza's research delves into the unique heritage of oil-related towns during the first half of the 20th century.