



Special Session #3:

Urban Underground Space and Sustainable Cities

Convener: Dr. Jenny Jianqiang Cui

As an important resource for urban development, the value and potential of urban underground space has been widely recognised. Underground space utilisation is an effective way of promoting sustainable cities. Underground infrastructure has considerable impacts on social, environmental, and economic development. The ever-growing number of research studies and practices related to planning, design and utilisation of urban underground space worldwide has offered an opportunity to review and synthesize existing knowledge about underground space utilisation and sustainable urban development to enhance our understanding of their relationship. This special session invites submissions that contribute to a better understanding of urban underground space utilisation for sustainable cities. Suitable topics include but are not limited to the following research areas: (1) planning, design and utilisation of underground space utilisation for sustainable cities; (2) safety and environmental aspects of urban underground space; (3) social and economic impacts of developing underground infrastructure; and (4) underground space environments and human behaviours.

Session Convener

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If you have a question about the special session, please contact the Session Convener: Dr. Jenny Jianqiang Cui by email.