



Special Session #4:

Safety and Underground Environment

Convener: Prof Angui LI

The characteristics of underground space present unique challenges in designing and maintaining healthy, comfortable and safe underground environment for human occupants. The limited openings and often long and narrow connections of underground space to the outdoor environment require careful study and design in the provision of fresh air, removal of air pollutants, extraction of smoke in case of a fire.

The aim of this Special Session is to gather original fundamental and applied research concerning experimental, theoretical, computational studies, engineering design, as well as case studies that contribute towards to the creation of healthy, comfortable and safe underground environments for urban, industry, agriculture and transportation purposes. The topics of the Special Session include, but are not limited to: ventilation, sustainable underground environment, environment air quality, smoke characteristics, transport and control, air pollutants, new technologies and methods on the design, monitoring and maintenance of underground environment.

Session Convener

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If you have a question about the special session, please contact the Session Convener: Prof Angui LI by email.