

Special Issue

Tunnelling and Underground Space Technology

Message from the Guest Editor

This special issue of the journal is intended to document the state of the art in the areas of safety, ventilation and operation of underground infrastructure with a strong focus on traffic and transport systems. The rapid increase in traffic in urban areas means that road traffic moves underground. This is demonstrated, among other things, by major projects in all parts of the world. The positive aspects of better use of valuable urban areas, however, require significantly higher demands on the operation and safety of the underground transport network. The same applies to rail transport. There are currently some large Alpine crossings under construction in Europe, while the tunneling boom in Asia continues. High-speed trains should increase capacity and enable a sustainable route for passenger and freight traffic. However, this also means completely different requirements for the planning and operation of these systems. What applies to rail and road transport is increasingly also true of local public transport. Here, too, there is a clear trend towards moving traffic underground.

Guest Editor

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