



Advanced Support Technologies in Roadway

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Message from the Guest Editors

Dear Colleagues,

In recent years, there has been rapid progress in the development and application of underground space, such as roadways, tunnels, and underground chambers. Bolt shotcrete support is one of the important means to maintain the stability and integrity of roadways. Advanced support technology (including shotcrete material, theory, and equipment) are important means to ensure the safe and efficient application of roadways. In the process of underground space development, extreme geological conditions such as high ground stress and high temperature can easily cause rock burst, high-temperature heat damage, and harmful gas outburst. There has been substantial research into support technology for roadways. For example, spraying steel fiber-reinforced concrete technology to prevent roadway cracking.

