



Theory and Technology of the Intelligent Roadway Development in Coal Mining

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Message from the Guest Editors

This Special Issue aims to publish research and review articles on the theory and technology of intelligent roadway developments in coal mining. Its focus will be on transforming existing roadway development practices into intelligent, high-efficiency, and high-security systems that pave the way to achieving intelligent coal mining.

The topics of interest include, but are not limited to, the following:

- Intelligent perception and recognition of driving environment;
- Intelligent monitoring technology and digitalization of mining-induced stress;
- Principles and technology of intelligent detection by using drilling data;
- Intelligent rock mechanics and applications;
- Mechanism and technology of temporary support in roadway developments;
- Theory and technology of surrounding rock control in roadway developments;
- Theory and technology of efficiency promotion in intelligent roadway developments;
- Advanced theory and technology of the autonomous navigation of roadheaders;
- Key theory and technology of the application of robot system in roadway developments.





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Message from the Editor-in-Chief

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