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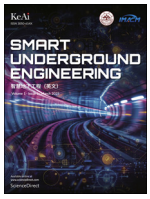

Editorial

Smart underground engineering: Innovation and sustainable development

It is with great excitement that we present the inaugural issue of *Smart Underground Engineering*, a new journal dedicated to advancing the science and practice of underground construction, engineering, and technology. Our goal is to provide a platform for interdisciplinary innovative solutions and prospective discussions that will shape the future of underground engineering.

The importance of underground infrastructure in modern society is indispensable. As urbanization accelerates and the demand for sustainable, efficient, and space-saving solutions grows, the need for smart underground technologies becomes more critical than ever before. From smart tunneling systems to advanced geological modeling and automation in subterranean construction, underground engineering is at the forefront of solving some of the most pressing challenges in the field of civil engineering and urban infrastructure maintenance.

At *Smart Underground Engineering*, we are dedicated to publishing high-quality, peer-reviewed research that not only reflects the latest advancements in underground engineering but also pushes the boundaries of innovation. Our journal will cover a wide range of topics, including but not limited to:

- Smart probe technology in geology
- Smart construction equipment
- Digital design and digital twins
- Self-adaptability and resilience for underground engineering
- Smart materials for underground engineering
- Smart monitoring and modelling for underground engineering
- Smart management and disaster prevention for underground engineering

By focusing on academic frontiers and exploring the development of disciplines, we believe that collaboration between researchers, engineers, and industry professionals will lead to more effective and sustainable solutions. By creating a community of thought leaders, innovators, and practitioners, we aim to shape the future of underground engineering with intelligence.

As we embark on this exciting journey, we invite you to join us in exploring the uncharted depths of underground engineering. We look forward to your contributions, whether through research articles, case studies, or thought-provoking discussions with remarkable approaches.

Thank you for your support, and we hope that *Smart Underground Engineering* becomes an invaluable resource for all those passionate about the future of underground infrastructure.

Sincerely,
The Editorial Team
Smart Underground Engineering

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