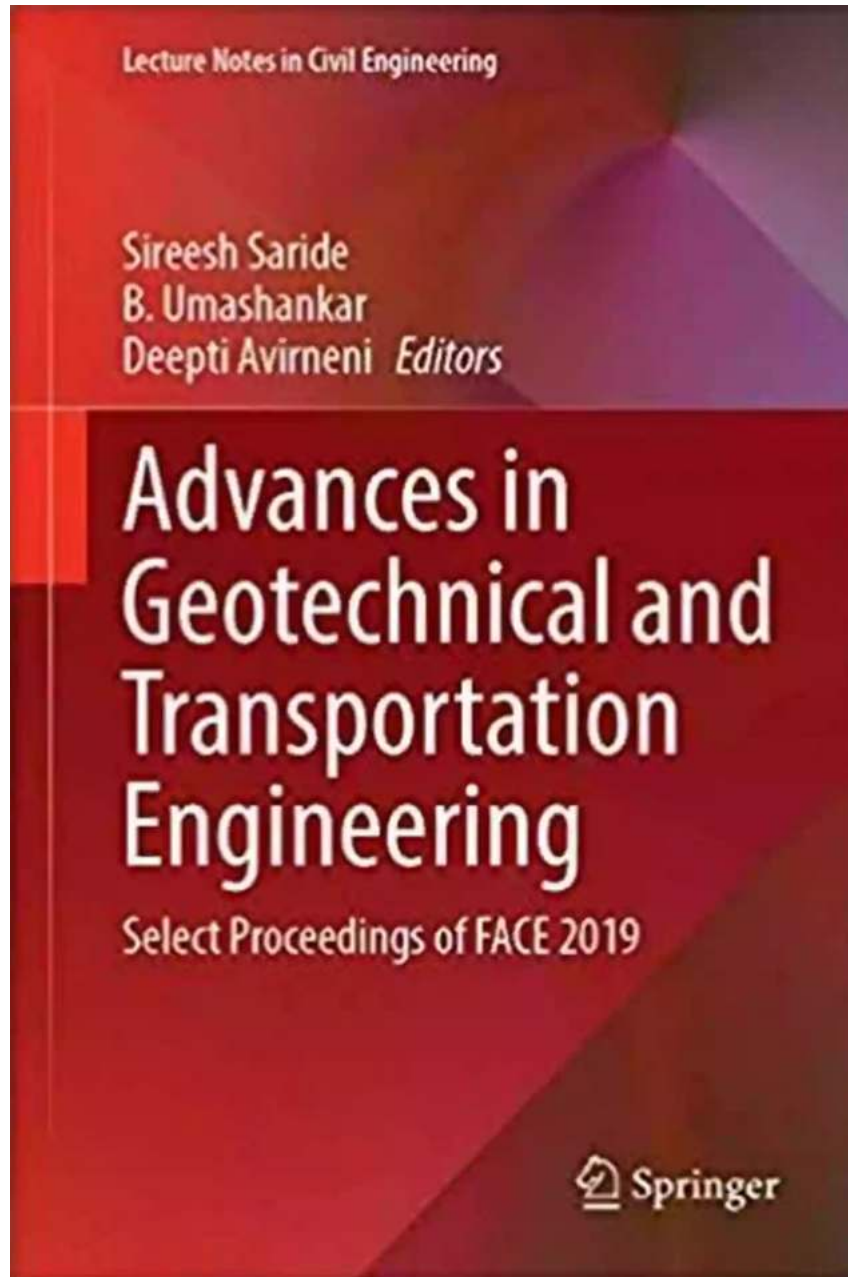


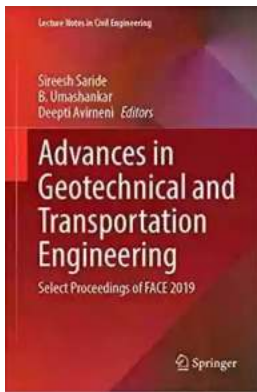
# Select Proceedings Of Face 2019: A Revolutionary Milestone in Civil Engineering



## Abstract:

The civil engineering industry has witnessed numerous technological advancements, groundbreaking research, and innovative approaches over the

years. One such remarkable event that has garnered immense attention within the civil engineering community worldwide is the **Face 2019 conference**. This article aims to shed light on the select proceedings of Face 2019, as documented in the esteemed journal *Lecture Notes in Civil Engineering 71*, showcasing the revolutionary breakthroughs achieved during this milestone event.



## Advances in Geotechnical and Transportation Engineering: Select Proceedings of FACE 2019 (Lecture Notes in Civil Engineering Book 71)

by Rosie Clarke (1st ed. 2020 Edition, Kindle Edition)

★★★★★ 5 out of 5

Language : English  
File size : 73247 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Word Wise : Enabled  
Print length : 550 pages



The Field-Assisted Civil Engineering (FACE) conference series has become a cornerstone in advancing civil engineering practices and ideas. Face 2019 marked the fifteenth edition of this renowned international event, welcoming distinguished researchers, industry professionals, and academicians from all corners of the globe. Organized by the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), the conference aimed to bridge the gap between theory and practice in civil engineering.

*Select Proceedings of Face 2019: Lecture Notes in Civil Engineering 71*, a comprehensive compilation of the most significant research papers and insightful

lectures presented at the conference, provides a valuable resource for the civil engineering community to explore groundbreaking advancements and novel approaches in the field.

## **Key Themes and Highlights**

### **1. Geotechnical Engineering and Foundations**

The Geotechnical Engineering and Foundations track at Face 2019 showcased innovative solutions to address fundamental challenges faced in soil mechanics and geotechnical engineering. Papers discussing the application of advanced numerical methods, innovative construction techniques, and sustainable foundation designs were showcased, providing the industry with new perspectives and practical approaches to tackle complex geotechnical issues.

### **2. Construction Materials and Innovations**

Face 2019 featured an entire track dedicated to exploring the latest advancements in construction materials and innovative techniques. Researchers presented their findings on cutting-edge materials, such as self-healing concrete and sustainable composites, revolutionizing the way structures are built and maintained. These breakthroughs have the potential to enhance the durability, strength, and environmental sustainability of constructions, making a significant impact on the industry.

### **3. Structural Engineering and Design**

The Structural Engineering and Design track at Face 2019 emphasized the importance of innovative design methodologies and practical engineering solutions. Researchers discussed the benefits of utilizing advanced computational tools, seismic risk assessment techniques, and strategies for enhancing the performance and safety of structures. The papers presented in this

track stimulate further research in structural engineering, leading to safer and more efficient infrastructure worldwide.

## **Implications for the Industry**

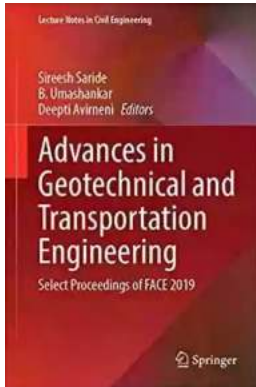
The select proceedings from Face 2019, published in *Lecture Notes in Civil Engineering 71*, hold significant implications for the civil engineering industry. The groundbreaking advancements presented at the conference have the potential to revolutionize conventional practices, providing new solutions to age-old engineering challenges and fostering sustainable development in the field.

Professionals in the industry can utilize the findings and approaches presented at Face 2019 to enhance their knowledge, broaden their perspectives, and adapt to the evolving demands and challenges of the modern world. The conference acts as a catalyst for collaboration between researchers, academicians, and professionals, fostering a transformative environment for the entire industry.

The select proceedings of Face 2019, documented in *Lecture Notes in Civil Engineering 71*, represent a revolutionary milestone in the field of civil engineering. By addressing key challenges, presenting cutting-edge research, and showcasing innovative solutions, this conference has significantly contributed to the advancement of the industry.

Professionals, researchers, and academicians should explore the select proceedings of Face 2019, providing them with valuable insights and perspectives that can shape the future of civil engineering. With each passing conference, the FACE series continues to push the boundaries of possibilities, driving the industry towards a sustainable and innovative future.

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This book presents the selected peer-reviewed papers from the national conference Futuristic Approaches in Civil Engineering (FACE) 2019. This volume focuses on latest research and challenges in the field of geotechnical, transportation, environmental and water resources engineering. The first part focuses on alternative and sustainable pavement materials, maintenance and rehabilitation of roads, transportation planning, traffic engineering, hybrid vehicles, safety management, and intelligent transport systems. In the second part of the book, basic and advanced research in geotechnical engineering which can provide sustainable solutions to practical problems in foundations, retaining structures, soil dynamics, site characterization, slope stability, dams, rock engineering, environmental geotechnics, and geosynthetics are covered. The third part of the book includes current research in environment, and water resources engineering. The contents of this book will be useful for students, researchers as well as industry professionals.



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