STEM Education Approaches and Challenges in the MENA Region
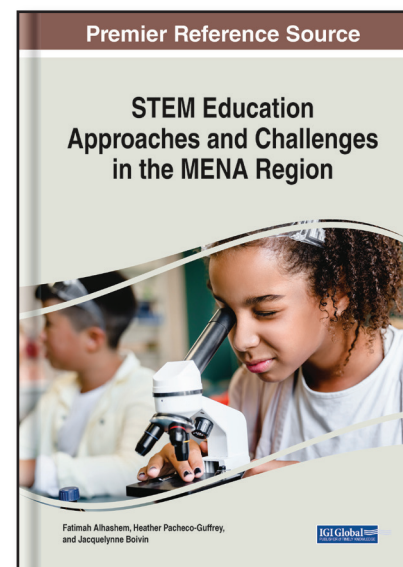
Part of the Advances in Educational Technologies and Instructional Design Book Series

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Description:

The development of underwater sensor networks opens new possibilities for maritime exploration and data collection. Underwater sensor networks have a variety of military and civilian applications that must be studied further to ensure they are utilized appropriately.

STEM Education Approaches and Challenges in the MENA Region serves as a premier interdisciplinary forum for researchers, practitioners, and educators to present the most recent innovations, trends, concerns, and practical challenges encountered and solutions adopted in the fields of underwater acoustic communications and underwater wireless sensor networks. The book also investigates underwater sensor network applications and challenges. Covering key topics such as sensor devices, acoustics, and environmental processing, this premier reference source is ideal for engineers, computer scientists, industry professionals, researchers, scholars, academicians, practitioners, instructors, and students.

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Hardcover: $215.00   **Softcover: $165.00**   **E-Book: $215.00**   **Hardcover + E-Book: $260.00**

Topics Covered:

- Acoustics
- Environmental Monitoring
- Image Processing
- Sensor Circuits
- Sensor Devices
- Sensor Network Data
- Sensor Nodes
- Underwater Sensors
- Underwater Vehicles
- Underwater Wireless Sensor Networks

Subject: Computer Science and Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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