

Solving Fundamental Challenges of Electric Vehicles

Part of the Advances in Mechatronics and Mechanical Engineering Book Series

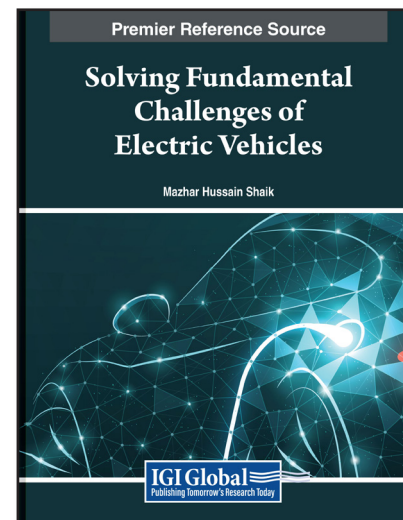
Mazhar Hussain Shaik (Middle East College, Oman)

Description:

With a growing population and increased mobility, global societies are facing the urgent need to transition to sustainable transportation solutions. However, the widespread adoption of electric vehicles (EVs) is hindered by challenges, from limitations in battery technology to the scarcity of charging infrastructure. These obstacles impede progress toward a cleaner future and limit EVs' potential economic and social benefits.

Solving Fundamental Challenges of Electric Vehicles offers a comprehensive roadmap to navigate the complexities of EV adoption. It delves into critical issues such as battery technology advancements, charging infrastructure development, and policy and regulatory frameworks. The book empowers stakeholders to overcome these challenges and accelerate the transition to electric mobility by providing insights into innovative solutions and breakthrough technologies.

Through rigorous research and analysis, Solving Fundamental Challenges of Electric Vehicles aims to inspire action and drive meaningful change in sustainable transportation. The book catalyzes research, innovation, and collaboration by highlighting the environmental, economic, and social benefits of EV adoption. It is a valuable resource for students, researchers, industry professionals, and policymakers. It offers a comprehensive understanding of EVs and their potential to shape a cleaner, greener future.



ISBN: 9798369343142

Pages: 320

Copyright: 2024

Release Date: September, 2024

Hardcover: \$315.00

E-Book: \$315.00

**Hardcover +
E-Book:** \$380.00

Topics Covered:

- Battery Technology Advancements
- Business and Economics
- Case Studies and Best Practices
- Charging Infrastructure
- Consumer Perspectives and Behavior
- Economic Implications and Market Disruptions
- Electric Vehicle Market Dynamics
- Energy Storage and Grid Integration
- Engineering
- Environmental and Social Impacts
- Environmental Science
- International Perspectives and Global Trends
- Policy and Regulation
- Safety and Regulatory Standards
- Technological Innovations

Subject: Science & Engineering

Classification: Edited Reference

Readership Level: Advanced-Academic Level
(Research Recommended)

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

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA