



Unlocking the Potential of Advanced Fiber Optic Sensors: Revolutionizing Sustainable Energy Applications

Guest Editor:

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Message from the Guest Editor

Potential topics include but are not limited to:

1. Fiber optic sensor design and fabrication for sustainable energy applications.
2. Advanced sensing techniques for renewable energy generation and monitoring.
3. Integration of fiber optic sensors in smart grids and energy management systems.
4. Fiber optic sensing for improved energy efficiency and performance optimization.
5. Fiber optic sensors for condition monitoring and fault detection in renewable energy systems.
6. Applications of fiber optic sensors in energy storage and distribution networks.
7. Fiber optic sensor-based monitoring of environmental impacts and resource utilization in sustainable energy.
8. Fiber optic sensors for enhanced safety and reliability in energy infrastructure.
9. Challenges and opportunities in the commercialization and deployment of fiber optic sensor technology for sustainable energy.
10. Integration of fiber optic sensing with emerging technologies such as Internet of Things (IoT) and artificial intelligence (AI) for sustainable energy applications.





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Message from the Editor-in-Chief

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