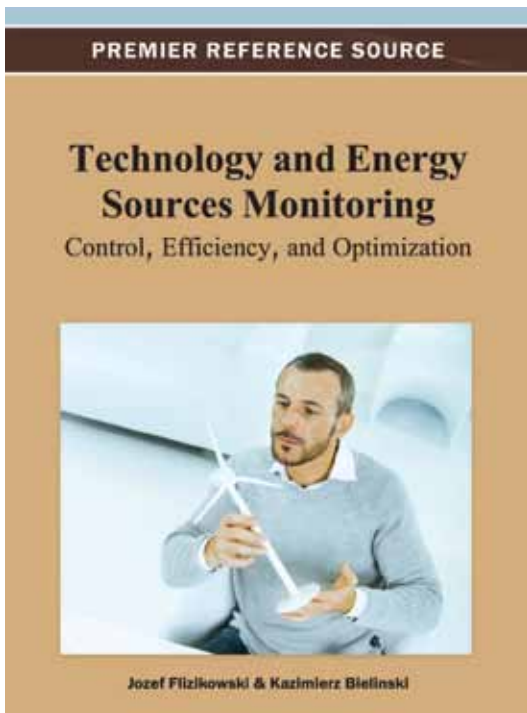


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Technology and Energy Sources Monitoring: Control, Efficiency, and Optimization



Jozef Flizikowski (UTP - University of Technology and Life Sciences, Poland) and Kazimierz Bielinski (UTP - University of Technology and Life Sciences, Poland)

As energy technology has emerged as an essential way to provide efficiency and environmental safety, monitoring these energy sources is a way of measuring the effectiveness of the applications and the fundamentals of each design.

Technology and Energy Sources Monitoring: Control, Efficiency, and Optimization provides an overall understanding of the technology and energy processes of renewable energy sources, biomaterials and more. By outlining the primary intent of the applications of energy technology and sustainable energy systems development, this book aims to bring a deeper understanding of the innovations and measures taken towards the monitoring of energy sources.

Topics Covered:

- Conventional Energy Sources
- Energy Monitoring
- Energy Safety
- Energy Technologies
- Innovation of Technical Energy Systems
- Innovative Monitoring
- Energy Goods
- Machine Design Variables
- System and Environment Design

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Josef B. Flizikowski is full Professor at Department of Technical Systems and Environmental Protections Faculty of Mechanical Engineering University Technology and Life Sciences in Bydgoszcz (Poland). He took Ph.D. degree at Polytechnic of Gdansk in Gear Design and Advanced Systems, habilitates degree at University of Agriculture in Lublin: Energy, Food Machinery and Systems. His academic researches principally deal with the development of innovative energy machinery solutions, optimizations, quality of product and effectiveness of energy processes in environment. Several solutions have been presented in 280 publication, 15 books (in Polish, German and English) and test by Ph.D. – promotions, industry innovations and in polymodal Vehicles. Moreover, he has developed coordination approaches in multi-plant renewable energy sources production planning and active monitoring in flexible and reconfigurable technical systems.

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