





Special Issue Reprint

Emerging Scientific and Technical Challenges and Developments in Key Power Electronics and Mechanical Engineering

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In celebration of the 70th anniversary of the University of Science and Technology Beijing (USTB), this Special Issue presents the electrical and mechanical engineering research of the USTB, with the aim of providing timely solutions to emerging scientific and technical challenges in key power electronics and mechanical engineering at the frontier of modern industrial development. High-quality original technical papers and advanced review papers are included herein. This Special Issue contains thirteen articles. Twelve of them are research articles and one is a review. Topics for the Special Issue include the following: Metallurgical electrochemical technology and equipment; Engineering vehicle design and development; Intelligent mechanical engineering and control; Safety monitoring of new energy vehicles; Vehicle dynamics and optimization; Intelligent vehicle cooperative control; Hydrogen energy and utilization of key technologies; Modern electronic materials and industrial applications; Advanced lightweight materials and design; Application of artificial intelligence and big data analysis in modern industry.





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