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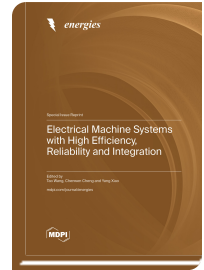
*Special Issue Reprint*

## **Electrical Machine Systems with High Efficiency, Reliability and Integration**

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Edited by  
Tao Wang  
Chenwen Cheng  
Yang Xiao

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This Reprint is a collection of high-quality peer-reviewed papers from the Special Issue "Electrical Machine Systems with High Efficiency, Reliability and Integration". It presents fourteen cutting-edge research articles that define the current state of the art and future trajectory of electric machine drive technology. It serves as an essential, comprehensive resource for researchers, graduate students, and industry engineers worldwide who are actively engaged in the design, optimization, and control of advanced electrical machine systems across various sectors. This volume systematically explores three interconnected pillars vital to modern electric machine drives: efficiency, reliability, and system integration. By focusing on these areas, the collected papers provide both theoretical foundations and practical, novel solutions to meet the ever-increasing demands of electric propulsion, automation, and energy storage applications. This collection features significant advancements in developing electrical machines capable of achieving hyper-efficiency standards, critical for eco-friendly solutions and regulatory compliance. It moves beyond theoretical discussion to offer concrete, validated solutions spanning machine design, power electronics, and intelligent control, making it an indispensable reference for driving progress in sustainable and efficient electric power systems worldwide.



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