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Advances in Non/Less Rare-Earth Electric Machines towards Sustainability

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Message from the Guest Editor

Electric machines have recently received great attention due to increased growth in their adoption across numerous industrial sectors such as automotive, aerospace, industrial machinery and consumer appliances. There are about 8 billion electric motors in use in the EU, consuming nearly 50% of the EU's electricity. These motors consume tons of materials (aluminium, copper, rare-earth elements, steel, etc.); some of those materials are critical. Therefore, sustainability has become a main goal for economical, environmental and social reasons.

This special issue aims to collect novel research publications to improve the performance of the electric machines towards sustainability. Topics of interest for this Special Issue include but are not limited to:

- Novel design of electric machines without/with less rareearth magnets;
- Modelling methodology for electric machines without/ with less rare-earth magnets;
- Control techniques for electric machines without/with less rare-earth magnets.











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Message from the Editor-in-Chief

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