

## Special Issue

# Renewable Energy Management System and Multilevel Inverters

### Message from the Guest Editors

Multi-level inverters are extensively used in applications for power conversion purposes. This highlights the importance of focusing on multiple alternatives challenges such as energy management, control strategies, and converter topologies. This Special Issue aims to cover recent advances in this field with the main focus of management, design, and control of multilevel inverters. This welcomes original research papers in the following fields: **a)** Integration of new trends in renewable energies for grid connection purposes based on multilevel inverters; **b)** Advanced modeling, design, and control of multilevel inverters; **c)** Novel topologies of multilevel inverter topologies in renewable energy applications; **d)** Artificial intelligence applications in power electronics converters for renewable energy applications; **e)** Optimal design of advanced multilevel inverter topologies to reduce the number of components; **f)** Highly efficient, reliable power electronics converters for solar and wind applications; **g)** Stability assessments for multilevel inverter structure in renewable energy applications; **h)** Energy management approaches in grids with the integration of renewable energy sources.

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### Guest Editors

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Dr. Edris Pouresmaeil

Prof. Dr. Mohammad Rezanejad

Dr. Emad Samadaei

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### Deadline for manuscript submissions

closed (30 November 2021)



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### Editor-in-Chief

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