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Modeling and Optimal Operation of Hydraulic, Wind and Photovoltaic Power Generation Systems

Guest Editors: Message from the Guest Editors Prof. Dr. Chaoshun Li Dear Colleagues, Prof. Dr. Yun Zeng The modeling and optimal control of renewable energy sources such as hydraulic, wind and photovoltaic, which Dr. Beibei Xu play an increasing role in modern power systems, are of great importance for safe and stable system operation. Dr. Dong Liu This Special Issue aims to present and disseminate the most recent advances related to the theory and/or application research on the modeling and optimal Deadline for manuscript operation of hydraulic, wind and photovoltaic power submissions. closed (31 July 2022) generation systems. The topics of interest for publication include, but are not limited to, the keywords below. hydraulic/solar/photovoltaic power generation system system integration; refined modeling; optimal operation advanced/intelligent control; cooperative control performance evaluation; scheduling and planning fault forecasting/diagnosis

CFD simulation; stability analysis

multi-energy complementary

100% renewable power system

smart microgrid









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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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