SPECIAL ISSUE PAPERS

Abstract

These are papers designated as special issue papers which are published in 2019 and 2020. They cover Control of Renewable Energy Systems, and Green Energy Conversion Systems Based on Advanced Modelling and Simulation Techniques.

Key Words

Control, renewable energy, green energy conversion, modelling, simulation

Control of Renewable Energy Systems:

(DOI: 10.2316/J.2020.203-0500)

203-0142 EVALUATION OF AGING EFFECT ON DYNAMICS AND PERFORMANCES OF A GRID CONNECTED PV SYSTEM
Malay Bhunia and Bidyadhar Subudhi
(DOI: 10.2316/J.2019.203-0142)

203-0149 DIRECT TORQUE CONTROL OF ROTOR-TIED DFIG WITHOUT ROTOR POSITION SENSOR
Rajeshkumar M. Prasad and Mahmadasraf A. Mulla
(DOI: 10.2316/J.2020.203-0149)

203-0158 PARAMETER EXTRACTION OF SOLAR PHOTOVOLTAIC MODELS USING CROW SEARCH ALGORITHM
Maniraj Baskar and Peer Fathima Abdul Kareem
(DOI: 10.2316/J.2019.203-0158)

203-0164 DISCRETE PREDICTIVE CONTROL OF A FLYWHEEL ENERGY STORAGE FOR TRANSIENT STABILITY AUGMENTATION
Hailiya Ahsan and Mairaj ud Din Mufti
(DOI: 10.2316/J.2019.203-0164)

203-0167 HYBRID ALGORITHM FOR TRACKING MAXIMUM POWER IN SOLAR PV ARRAY UNDER PARTIALLY SHADED CONDITION
Balaji Vetrivelan and Peer Fathima Abdul Kareem
(DOI: 10.2316/J.2019.203-0167)

203-0170 PERFORMANCE ANALYSIS OF PARALLEL INVERTERS FOR ACCURATE PROPORTIONAL POWER SHARING IN SINGLE PHASE MICROGRID
Peddeeti Sudheer and Vuddanti Sandeep
(DOI: 10.2316/J.2019.203-0170)

203-0184 FIFTEEN-LEVEL CONVERTER WITH MPC CONTROL FORGRID-CONNECTED SYSTEMS
Nidhi Mishra and Bhim Singh
(DOI: 10.2316/J.2020.203-0184)

Green Energy Conversion Systems Based on Advanced Modelling and Simulation Techniques:

203-0108 A FLUX-BASED TRANSFORMER MODEL WITH INTER-TURN FAULT CONSIDERING SATURATION EFFECT
Milad N. Azari and Mehdi Samami
(DOI: 10.2316/J.2020.203-0108)

203-0109 PERFORMANCE ANALYSIS OF A 10-MW WIND TURBINE HTS GENERATOR UNDER STATOR UNBALANCED CONDITIONS
Rouhollah Shafaei and Fatemeh Amirkhanloo
(DOI: 10.2316/J.2019.203-0109)

203-0110 FLUX-BASED FAULT DETECTION IN ROTORS OF INDUCTION MOTORS, USING FINITE ELEMENTS AND NEURAL NETWORK
Milad N. Azari, Hossein A. Khaeli, and Mehdi Samami
(DOI: 10.2316/J.2019.203-0110)

203-0123 OPTIMAL BRUSHLESS DC MOTOR DESIGN WITH A COLLECTIVE DECISION OPTIMIZATION ALGORITHM (CDOA)
Milad Niaz Azari
(DOI: 10.2316/J.2019.203-0123)

203-0173 SELECTIVE HARMONIC ELIMINATION-PULSE-AMPLITUDE MODULATION FOR CASCADED MULTILEVEL INVERTER-BASED STATCOM
Piyush L. Kamani and Mahmadasraf A. Mulla
(DOI: 10.2316/J.2019.203-0173)

203-0195 APPLICATION OF LINEAR SWITCHED RELUCTANCE MOTOR FOR SUSTAINABLE ELECTRIC VEHICULAR SYSTEM
V. Shirish Murty, Shailendra Jain, and Amit Ojha
(DOI: 10.2316/J.2020.203-0195)