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**Publications**

**Cascaded Multilevel PV Inverter with Improved Harmonic Performance During Power Imbalance Between Power Cells**  

**Analysis and optimization of hybrid modular multilevel converters under over-modulation conditions**  

**Is Using A Complex Control Gain in Three-phase FLLs Reasonable?**  

**Real-Time Load and Ancillary Support for a Remote Island Power System Using Electric Boats**  

**Analysis and Control of Modular Multilevel Converter with Split Energy Storage for Railway Traction Power Conditioner**  

**Improvement of Frequency Regulation in VSG-Based AC Microgrid via Adaptive Virtual Inertia**  

**Model Predictive Voltage and Power Control of Islanded PV-Battery Microgrids with Washout Filter Based Power Sharing Strategy**  

**Nonlinear control and stability analysis of single stage grid-connected photovoltaic systems**  

**Passivity-Based Design of Plug-and-Play Current-Controlled Grid-Connected Inverters**  
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Virtual Admittance Loop for Voltage Harmonic Compensation in Microgrids

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Model predictive control of smart microgrids

Robust Networked Control Scheme for Distributed Secondary Control of Islanded MicroGrids

Study of Large-Signal Stability of an Inverter-based Generator using a Lyapunov Function
Three-Phase Grid-Connected of Photovoltaic Generator Using Nonlinear Control

A Systematic Method to Synthesize New Transformerless Full-bridge Grid-tied Inverters

Frequency Stability of Hierarchically Controlled Hybrid Photovoltaic-Battery-Hydropower Microgrids

Generic inertia emulation controller for multi-terminal voltage-source-converter high voltage direct current systems

Guest Editorial: Special Section on Smart DC Distribution Systems

Intelligent Distributed Generation and Storage Units for DC Microgrids - A New Concept on Cooperative Control without Communications Beyond Droop Control

Modeling and Nonlinear Control of Fuel Cell / Supercapacitor Hybrid Energy Storage System for Electric Vehicles

Optimal power flow based on glow worm-swarm optimization for three-phase islanded microgrids

Power flow analysis for DC voltage droop controlled DC microgrids

Secondary Coordinated Control of Islanded Microgrids Based on Consensus Algorithms

Virtual Flux Droop Method – A New Control Strategy of Inverters in Microgrids

Virtual Impedance Based Stability Improvement for DC Microgrids with Constant Power Loads

Dynamic Performance of Grid Converters using Adaptive DC Voltage Control
Microgrids in Active Network Management—Part II: System Operation, Power Quality and Protection

A Distributed Control Strategy for Coordination of an Autonomous LVDC Microgrid Based on Power-Line Signalling

Performance Improvement of a Prefiltered Synchronous-Reference-Frame PLL By Using a PID-Type Loop Filter

Power flow analysis for droop controlled LV hybrid AC-DC microgrids with virtual impedance

Event-triggered hybrid control based on multi-Agent systems for Microgrids

Agent-based Distributed Unbalance Compensation for Optimal Power Quality in Islanded Microgrids

Control Strategy for Microgrid Inverter under Unbalanced Grid Voltage Conditions

Droop-Control-Based State-of-Charge Balancing Method for Charging and Discharging Process in Autonomous DC Microgrids

State-of-Charge Balance Using Adaptive Droop Control for Distributed Energy Storage Systems in DC Microgrid Applications

Agent-based distributed hierarchical control of dc microgrid systems

Analysis of Droop Controlled Parallel Inverters in Islanded Microgrids

A Simple Autonomous Current-Sharing Control Strategy for Fast Dynamic Response of Parallel Inverters in Islanded Microgrids

A Single Phase Seven-level Grid-connected inverter Based On Three Reference SPWM Strategy
Autonomous Control of Distributed Generation and Storage to Coordinate P/Q Sharing in Islanded Microgrids: An Approach beyond Droop Control

Dynamic Consensus Algorithm Based Distributed Global Efficiency Optimization of a Droop Controlled DC Microgrid

Fundamental impedance identification method for grid-connected voltage source inverters

Mas Roig Mini-Grid: A Renewable-Energy-Based Rural Islanded Microgrid

Modeling, Stability Analysis and Active Stabilization of Multiple DC-Microgrids Clusters

Reactive Power Sharing and Voltage Harmonic Distortion Compensation of Droop Controlled Single Phase Islanded Microgrids

Resonance Damping Techniques for Grid-Connected Voltage Source Converters with LCL filters – A Review

Review of Aircraft Electric Power Systems and Architectures

Voltage Scheduling Droop Control for State-of-Charge Balance of Distributed Energy Storage in DC Microgrids

An Improved Droop Control Method for DC Microgrids Based on Low Bandwidth Communication with DC Bus Voltage Restoration and Enhanced Current Sharing Accuracy

Advanced LVDC Electrical Power Architectures and Microgrids: A Step toward a New Generation of Power Distribution Networks

Asymmetrical Grid Fault Ride-Through Strategy of Three-phase Grid-connected Inverter Considering Network Impedance Impact in Low Voltage Grid
Autonomous Active and Reactive Power Distribution Strategy in Islanded Microgrids

Fuzzy-Logic-Based Gain-Scheduling Control for State-of-Charge Balance of Distributed Energy Storage Systems for DC Microgrids

Hierarchical Control of Parallel AC-DC Converter Interfaces for Hybrid Microgrids

Line-Interactive UPS for Microgrids

Modular Power Architectures for Microgrid Clusters

Power Flow Analysis Algorithm for Islanded LV Microgrids Including Distributed Generator Units with Droop Control and Virtual Impedance Loop

Control and Analysis of Droop and Reverse Droop Controllers for Distributed Generations

Control of single-phase islanded PV/battery minigrids based on power-line signaling

Distributed Secondary Control for Islanded MicroGrids - A Novel Approach

Dynamic-Phasor-Based Nonlinear Modelling of AC Islanded Microgrids Under Droop Control

Hierarchical Control for Multiple DC-Microgrids Clusters

Modeling and Control of Flexible HEV Charging Station upgraded with Flywheel Energy Storage
Secondary Voltage Unbalance Compensation for Three-Phase Four-Wire Islanded Microgrids

Supervisory Control of an Adaptive-Droop Regulated DC Microgrid with Battery Management Capability

Tertiary Control for Optimal Unbalance Compensation in Islanded Microgrids

Analysis, Design, and Experimental Verification of a Synchronous Reference Frame Voltage Control for Single-Phase Inverters

An Analysis of the PLLs With Secondary Control Path

Application of a microgrid with renewables for a water treatment plant

A Rolling Horizon Rescheduling Strategy for Flexible Energy in a Microgrid

Co-design of the LCL Filter and Control for Grid-Connected Inverters

Distributed Consensus-Based Control of Multiple DC-Microgrids Clusters

Hierarchical control for multiple DC-microgrids clusters

Hierarchical Coordinated Control of Distributed Generators and Active Power Filters to Enhance Power Quality of Microgrids

Hybrid islanding detection method by using grid impedance estimation in parallel-inverters-based microgrid

Microgrids in Active Network Management-Part I: Hierarchical Control, Energy Storage, Virtual Power Plants, and Market Participation

Moving Average Filter-Based Phase-Locked Loops: Performance Analysis and Design Guidelines
Team-oriented Adaptive Droop Control for Autonomous AC Microgrids

Tracking Controller for Intrinsic Output Saturated Systems in Presence of Amplitude and Rate Input Saturations

A generic Inertia Emulation Controller for Multi-Terminal VSC-HVDC systems

A parametric study on unbalanced three phase islanded microgrids with inverter interfaced units

Microgrids: Hierarchical Control and an Overview of the Control and Reserve Management Strategies

What are microgrids?

Advantages and Challenges of a Type-3 PLL

An Islanding Microgrid Power Sharing Approach Using Enhanced Virtual Impedance Control Scheme

Single-Carrier Modulation for Neutral-Point-Clamped Inverters in Three-Phase Transformerless Photovoltaic Systems

Stability, Power Sharing, & Distributed Secondary Control in Droop-Controlled Microgrids

Small-signal modeling of digitally controlled grid-connected inverters with LCL filters

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Supervisory Control for Real Time Reactive Power Flow Optimization in Islanded Microgrids

适用于交直流混合微电网的直流分层控制系统

Advanced Control Architectures for Intelligent Microgrids—Part II: Power Quality, Energy Storage, and AC/DC Microgrids

Distributed Control to Ensure Proportional Load Sharing and Improve Voltage Regulation in Low-Voltage DC Microgrids

Introduction to the special section on distributed generation and microgrids


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Adaptive sliding mode control of interleaved parallel boost converter for fuel cell energy generation system

Advanced Control Architectures for Intelligent MicroGrids, Part I: Decentralized and Hierarchical Control

A generic inertia emulation controller for multi-terminal VSC-HVDC systems

Analysis, design, and experimental evaluation of power calculation in digital droop-controlled parallel microgrid inverters

Analysis, Modelling, and Simulation of Droop Control with Virtual Impedance Loop Applied to Parallel UPS Systems

Advanced Control Architectures for Intelligent Microgrids—Part II: Power Quality, Energy Storage, and AC/DC Microgrids

A new virtual-flux-vector based droop control strategy for parallel connected inverters in microgrids
A Novel Grid Impedance Estimation Technique based on Adaptive Virtual Resistance Control Loop Applied to Distributed Generation Inverters

A Novel Robust Communication Algorithm for Distributed Secondary Control of Islanded MicroGrids

A parametric study on unbalanced three phase islanded microgrids with inverter interfaced units

Autonomous Voltage Unbalance Compensation in an Islanded Droop-Controlled Microgrid

Battery State-of-Charge and Parameter Estimation Algorithm Based on Kalman Filter

Control of single-phase islanded PV/battery streetlight cluster based on power-line signaling

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Coordinated Power Control Strategy based on Primary-Frequency-Signaling for Islanded Microgrids

Coordinated Primary and Secondary Control with Frequency-Bus-Signaling for Distributed Generation and Storage in Islanded Microgrids

Distributed Cooperative Control of Nonlinear and Non-identical Multi-agent Systems

Distributed Cooperative Secondary Control of Microgrids Using Feedback Linearization

Distributed Secondary Control for DC Microgrid Applications with Enhanced Current Sharing Accuracy

Dynamics Assessment of Advanced Single-Phase PLL Structures
GRID SIMULATOR FOR POWER QUALITY ASSESSMENT OF MICRO-GRIDS

INDUSTRIAL APPLICATIONS OF THE KALMAN FILTER: A REVIEW

MAS BASED EVENT-TRIGGERED HYBRID CONTROL FOR SMART MICROGRIDS

MICROGRID REACTIVE AND HARMONIC POWER SHARING USING ENHANCED VIRTUAL IMPEDANCE

MODELING, ANALYSIS, AND DESIGN OF STATIONARY REFERENCE FRAME DROOP CONTROLLED PARALLEL THREE-PHASE VOLTAGE SOURCE INVERTERS

MODELING, ANALYSIS, AND DESIGN OF STATIONARY-REFERENCE-FRAME DROOP-CONTROLLED PARALLEL THREE-PHASE VOLTAGE SOURCE INVERTERS

MODELLING, ANALYSIS, AND DESIGN OF A FREQUENCY-DROOP-BASED VIRTUAL SYNCHRONOUS GENERATOR FOR MICROGRID APPLICATIONS

OPTIMAL POWER FLOW IN MICROGRIDS WITH ENERGY STORAGE

OPTIMIZATION WITH SYSTEM DAMPING RESTORATION FOR DROOP CONTROLLED DC-DC CONVERTERS

SELECTIVE COMPENSATION OF VOLTAGE HARMONICS IN GRID-CONNECTED MICROGRIDS

SELECTIVE VIRTUAL CAPACITIVE IMPEDANCE LOOP FOR HARMONICS VOLTAGE COMPENSATION IN ISLANDED MICROGRIDS

STABILITY CONSTRAINED EFFICIENCY OPTIMIZATION FOR DROOP CONTROLLED DC-DC CONVERSION SYSTEM

VOLTAGE-BASED CONTROL OF A SMART TRANSFORMER IN A MICROGRID
直流微电网储能系统中带有母线电压跌落补偿功能的负荷功率动态分配方法

Introduction to the special section on industrial applications and implementation issues of the Kalman filter

Automatic Power-Sharing Modification of P/V Droop Controllers in Low-Voltage Resistive Microgrids

Comments on "Economic analysis of different supporting policies for the production of electrical energy by solar photovoltaics in western European Union countries" by Luigi Dusonchet and Enrico Telarett

Lyapunov based control of hybrid energy storage system in electric vehicles

An islanding microgrid reactive power sharing scheme enhanced by programmed virtual impedances

A Review of Power Electronics Based Microgrids

Cooperative Control with Virtual Selective Harmonic Capacitance for Harmonic Voltage Compensation In Islanded MicroGrids

Design and Tuning of a Modified Power-Based PLL for Single-Phase Grid-Connected Power Conditioning Systems

Distributed Secondary Control for Islanded MicroGrids – A Networked Control Systems Approach

Grid-connected of photovoltaic module using nonlinear control

Grid Integration of Renewables

Highly efficient distributed generation and high-capacity energy storage
Improving the voltage quality of an inverter via by-passing the harmonic current components

Mitigation of Voltage and Current Harmonics in Grid-Connected Microgrids

Multilayer Control for Inverters in Parallel Operation without Intercommunications

Multiple Distributed Smart Microgrids with a Self-Autonomous, Energy Harvesting Wireless Sensor Network

Online Detection and Estimation of Grid Impedance Variation for Distributed Power Generation

Precise Modeling Based on Dynamic Phasors for Droop-Controlled Parallel-Connected Inverters

Secondary Control for Compensation of Voltage Harmonics and Unbalance in Microgrids

Secondary control for reactive power sharing and voltage amplitude restoration in droop-controlled islanded microgrids

Secondary Control for Reactive Power Sharing in Droop-Controlled Islanded MicroGrids

Secondary Control for Voltage Quality Enhancement in Microgrids

Secondary Control Scheme for Voltage Unbalance Compensation in an Islanded Droop-Controlled Microgrid

Selective Harmonic Virtual Impedance for Voltage Source Inverters with LCL filter in Microgrids

SoC-Based Droop Method for Distributed Energy Storage in DC Microgrid Applications
SoC-Based Dynamic Power Sharing Method with AC-Bus Voltage Restoration for Microgrid Applications

Voltage Quality Improvement in Islanded Microgrids Supplying Nonlinear Loads

Advanced control of interleaved boost converter for fuel cell energy generation system

Editorial: Special issue on power electronics for microgrids - Part II

Nonlinear control of single-phase shunt active power filter theoretical analysis of closed-loop performances

Intelligent connection agent for three-phase grid-connected microgrids

Adaptive control of interleaved boost converter for fuel cell energy

Fuzzy variable structure control for PWM inverters

Detailed Operation Scheduling and Control for Renewable Energy Powered Microgrids

A novel improved variable step-size incremental-resistance MPPT method for PV systems

Selective compensation of voltage harmonics in an islanded microgrid

Design and analysis of the droop control method for parallel inverters considering the impact of the complex impedance on the power sharing

Hierarchical control of droop-controlled AC and DC microgrids - A general approach toward standardization
A centralized control architecture for harmonic voltage suppression in islanded microgrids

A Distributed Control Strategy Based on DC Bus Signaling for Modular Photovoltaic Generation Systems With Battery Energy Storage

Connecting Renewable Energy Sources into the Smartgrid

Control of parallel-connected bidirectional AC-DC converters in stationary frame for microgrid application

Droop-Controlled Inverters with Seamless Transition between Islanding and Grid-Connected Operations

Experimental evaluation of voltage unbalance compensation in an islanded microgrid

Hierarchical Control Scheme for Voltage Harmonics Compensation in an Islanded Droop-Controlled Microgrid

Hierarchical Control Scheme for Voltage Unbalance Compensation in Islanded Microgrids

Modeling, analysis, and design of stationary reference frame droop controlled parallel three-phase voltage source inverters

Multilayer control for inverters in parallel operation without signal interconnection

Secondary control for voltage unbalance compensation in an islanded microgrid

Selective Compensation of Voltage Harmonics in a Grid-Connected Microgrid

Smart grid and renewable energy systems
Voltage Harmonic Compensation of a Microgrid Operating in Islanded and Grid-Connected Modes

An integrated multifunction DC/DC converter for PV generation systems

Intelligent control agent for transient to an island grid

Microgrids: Integration of distributed energy resources into the smart-grid

Guest editorial: Editorial special issue on power electronics for microgrids - Part I

Hierarchical control of intelligent microgrids

Hierarchical control of power plants with microgrid operation

Resonant current regulation for transformerless hybrid active filter to suppress harmonic resonances in industrial power systems

A simple control algorithm to avoid flux density bias in isolated full-bridge topologies

Design of an analog quasi-steady-state nonlinear current-mode controller for single-phase active power filter

Control design guidelines for single-phase grid-connected photovoltaic inverters with damped resonant harmonic compensators

Voltage support provided by a droop-controlled multifunctional inverter

Sliding-mode control for a single-phase AC/AC quantum resonant converter
Reactive power compensation for parallel inverters without control interconnections in microgrid

Control of line-interactive UPS connected in parallel forming a microgrid

Droop control method with virtual output impedance for parallel operation of uninterruptible power supply systems in a microgrid

Parallel operation of uninterruptible power supply systems in MicroGrids

Author's reply [2]

Simple low-cost hysteretic controller for single-phase synchronous buck converters

Designing VRM hysteretic controllers For optimal transient response

Decentralized control for parallel operation of distributed generation inverters using resistive output impedance

Uninterruptible power supply systems provide protection

Analysis, design and practical evaluation of an input-output linearization controller for the CLL-T dc-dc resonant converter

Decentralized control for parallel operation of distributed generation inverters in microgrids using resistive output impedance

Droop control method for the parallel operation of online uninterruptible power systems using resistive output impedance

Wireless-control strategy for parallel operation of distributed-generation inverters
Decentralized control for parallel operation of distributed generation inverters using resistive output impedance

Feedback linearization control with average current sharing for multiphase synchronous buck converter

One-cycle control for the parallel operation of synchronous buck converters

Steady-state invariant frequency and amplitude droop control using adaptive output impedance for parallel-connected UPS inverters

Wireless-control strategy for parallel operation of distributed generation inverters

Output impedance design of parallel-connected UPS inverters

Half-bridge CLL resonant rectifier with quantum mode control

Sliding-mode control of quantum series-parallel resonant converters via input-output linearization

Averaged large-signal model of single magnetic push-pull forward converter with built-in input filter

Output impedance design of parallel-connected UPS inverters

Parallel operation of Half-Bridge Converters with Current-Doubler Rectifier uUsing feedback linearization control
Simplified feedback linearization of a single-phase active power filter using sliding mode control

A simple sliding mode control of an active power filter

Output impedance performance for parallel operation of UPS inverters using wireless and average current-sharing controllers

A wireless controller to enhance dynamic performance of parallel inverters in distributed generation systems

A high-performance DSP-controller for parallel operation of online UPS systems

A sliding mode control of an active power filter

A wireless controller to enhance dynamic performance of parallel inverters in distributed generation systems

Non-linear control of a paralleled half-bridge complementary-control converter system with a single-wire current sharing

A wireless load sharing controller to improve dynamic performance of parallel-connected UPS inverters

Simple nonlinear controller to reduce line and load disturbances in HBCC converter

A discrete sliding mode control of a buck-boost inverter

A nonlinear feed-forward control technique for single-phase UPS inverters

Discrete non-linear control of a PWM inverter

Feedback sliding mode control linearization of a single phase active filter

Steady-state invariant-frequency control of parallel redundant uninterruptible power supplies
Integral control technique for single-phase UPS inverter

Parallel operation of charge-controlled-DC-DC converters

Activities

Workshop: IoT-driven eNERgy sysTems (INET) - Advances and Applications
Amjad Anvari-Moghaddam (Lecturer), Yajuan Guan (Lecturer), Juan Carlos Vasquez Quintero (Lecturer), Josep M. Guerrero (Lecturer)
30 Jul 2018

Special Issue "IoT and Energy Internet" (Event)
Josep M. Guerrero (Editor), Juan C. Vasquez (Editor), Yajuan Guan (Editor)
26 Jul 2018 → 9 Sep 2019

Tutorial: Advances In Microgrids Control and Management
Amjad Anvari-Moghaddam (Lecturer), Qobad Shafiee (Lecturer), Hassan Bevrani (Lecturer), Josep M. Guerrero (Lecturer)
20 Feb 2018 → 21 Feb 2018

Tutorial: The Internet of Energy - The Building Block for the Future Smart Grids
Mehdi Savaghebi (Lecturer), Juan Carlos Vasquez Quintero (Lecturer), Yajuan Guan (Lecturer), Josep M. Guerrero (Lecturer)
29 Oct 2017

Special Section on "Energy Internet" (Event)
Josep M. Guerrero (Editor), Yajuan Guan (Editor), Juan C. Vasquez (Editor), Kai Sun (Editor)
28 Aug 2017 → 31 Dec 2018

Keynote: Advanced Control Architectures of DC Microgrids
Josep M. Guerrero (Lecturer)
10 Jun 2015

Keynote Plenary session: Future challenges on microgrids and DC homes
Josep M. Guerrero (Lecturer)
21 May 2014

Keynote: Microgrid Technologies for Future Electric Vehicle Charging Stations
Josep M. Guerrero (Lecturer)
16 May 2014

Keynote: New technologies and future challenges on MicroGrid Research
Josep M. Guerrero (Speaker)
26 Mar 2014

Invited presentation: Advanced Control Architectures for Intelligent Microgrids
Josep M. Guerrero (Lecturer)
25 Aug 2011
Press clippings

Computer-professorat med Obelsk Støtte
Gert Frølund Pedersen, Josep M. Guerrero, Svend Birkelund & Mark Grimshaw
30/04/2012
16 items of Media coverage

Fornem hæder til AAU-professor
Josep M. Guerrero
06/12/2014
12 items of Media coverage

Forskning i fremtidens el-systemer
Josep M. Guerrero
03/01/2014
5 items of Media coverage

Mikroanlæg skal sikre bæredygtig energiforsyning
Josep M. Guerrero
28/05/2019
1 item of Media coverage

NAVNE I NOTER
Josep M. Guerrero
25/12/2013
1 item of Media coverage

NAVNE I NOTER
Josep M. Guerrero
25/12/2013
1 item of Media coverage

Navne i noter
Josep M. Guerrero
14/12/2014
1 item of Media coverage

Svinghjul kan give billigere strøm til søs
Josep M. Guerrero
12/01/2015
10 items of Media coverage

Syv forskere fra Aalborg Universitet på Clarivates "Highly Cited Researchers List 2017"
Frede Blaabjerg, Josep M. Guerrero, Henrik Lund, Brian Vad Mathiesen, Remus Teodorescu, Christian Torp-Pedersen & Juan Carlos Vasquez Quintero
21/11/2017
1 item of Media coverage

Villum Fonden udvælger 11 nye investigators
Josep M. Guerrero
02/05/2019
1 item of Media coverage

Aalborgprofessor skal udvikle bæredygtig energiforsyning
Josep M. Guerrero
02/04/2019
12 items of Media coverage
Projects

**Active filter functionalities for power converters in wind power plants**
Guerrero, J. M., Chaudhary, S., Teodorescu, R., Bak, C. L., Freijedo Fernandez, F. D., Hoseinzadeh, B. & Lascu, C. V.
01/04/2014 → 31/03/2016

**ASSET: A holistic and Scalable Solution for Research, Innovation and Education in Energy Transition**
Guerrero, J. M., Vasquez, J. C., Akhavan, A., Nasir, M. & Guldbæk, B. K.
EU - Horizon 2020
01/05/2019 → 30/04/2021

**DiCyPS: Center for Data-Intensive Cyber-Physical Systems**
01/01/2015 → 31/12/2020

**CROM: Center for Research on Microgrids**
Guerrero, J. M., Vasquez, J. C., Tinajero, G. D. A., Akhavan, A. & Guldbæk, B. K.
Villum Fonden
01/08/2019 → 31/07/2025

**MMGrid: Control and Management of Multi-Microgrid Clusters in Taiwan**
Guerrero, J. M., Dragicevic, T., Vasquez, J. C. & Wu, D.
01/01/2013 → 31/12/2013

**Distributed Converter And MicroGrid Advanced Control Algorithm Project**
Guerrero, J. M. & Guldbæk, B. K.
Huawei Technologies Duesseldorf GmBH
25/09/2018 → 31/05/2020

**Efficiensea**
Guerrero, J. M., Dragicevic, T., Meng, L., Vasquez, J. C. & Miltersen, A. H.
Innovation Fund Denmark
16/03/2015 → 15/03/2018

**Flexible electric vehicle charging infrastructure (Flex-ChEV)**
01/03/2014 → 29/02/2016

**Future Residential LVDC Power Distribution Architectures**
Vasquez, J. C. & Guerrero, J. M.
01/01/2014 → 31/12/2014

**HeatReFlex: Green and Flexible District Heating/Cooling**
Anvari-Moghaddam, A., Guerrero, J. M., Nami, H. & Mohammadivatloo, B.
Danida Fellowship Centre
01/05/2019 → 31/10/2021

**iDClab: Intelligent DC Microgrid Living Lab**
Guerrero, J. M., Vasquez, J. C., Diaz, E. R. & Goleston, S.
Det Strategiske Forskningsråd
01/01/2014 → 31/12/2017
DiCyPS: IT-Infrastructures for Control, Optimization and Management in Energy Systems
Guerrero, J. M., Anvari-Moghaddam, A., Vasquez, J. C., Bak-Jensen, B. & Guldbæk, B. K.
Innovation Fund Denmark
01/01/2015 → 31/12/2020

MeTER_Demo: Microgrid Technology Research and Demonstration
Guerrero, J. M., Wu, D., Guan, Y., Vasquez, J. C. & Savaghebi, M.
01/04/2014 → 31/03/2017

HyMG: Microgrid technology research based on wind/PV/storage hybrid system
Guerrero, J. M., Vasquez, J. C. & Wu, D.
01/01/2013 → 31/12/2013

Flywheel: Off-Shore Application of the Flywheel Energy Storage
Guerrero, J. M., Dragicevic, T. & Anvari-Moghaddam, A.
Den Danske Maritime Fond
13/11/2014 → 28/02/2016

VICINITY: Open virtual neighbourhood network to connect IoT infrastructures and smart objects
Guan, Y., Vasquez, J. C., Guerrero, J. M. & Miltersen, A. H.
European Commission
01/01/2016 → 31/12/2019

The Energy Internet - Integrating Internet of Things into the Smart Grid
Aalborg University
01/01/2017 → 31/12/2019

TROY: UPS SLC-TROY Project
Guerrero, J. M., Vasquez, J. C., Zhang, C., Wei, B. & Gui, Y.
Others
01/04/2015 → 01/06/2017