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Matas, J., De Vicuña, L. G., Guerrero, J. M., Miret, J. & López, O., dec. 2002, s. 140-145. 6 s.

Steady-state invariant-frequency control of parallel redundant uninterruptible power supplies
Guerrero, J. M., Garcia de Vicuña, L., Matas, J. & Miret, J., dec. 2002, s. 274-277. 4 s.

Integral control technique for single-phase UPS inverter
Guerrero, J. M., De Vicuña, L. G., Miret, J., Matas, J. & Castilla, M., 1 jan. 2002, *ISIE 2002 - Proceedings of the 2002 IEEE International Symposium on Industrial Electronics*. IEEE (Institute of Electrical and Electronics Engineers), Bind 4. s. 1043-1048 6 s. 1025931.

Parallel operation of charge-controlled-DC-DC converters
Guerrero, J. M., De Vicuña, L. G., Miret, J., Matas, J. & López, Ó., jan. 2002, *ISIE 2002 - Proceedings of the 2002 IEEE International Symposium on Industrial Electronics*. IEEE (Institute of Electrical and Electronics Engineers), Bind 4. s. 1086-1090 5 s. 1025939

Aktiviteter

Workshop: IoT-driven eNErgy sysTEms (INET) - Advances and Applications

Anvari-Moghaddam, A. (Foredragsholder), Guan, Y. (Foredragsholder), Quintero, J. C. V. (Foredragsholder) & Guerrero, J. M. (Foredragsholder)
30 jul. 2018

Special Issue "IoT and Energy Internet" (Begivenhed)

Guerrero, J. M. (Redaktør), Vasquez, J. C. (Redaktør) & Guan, Y. (Redaktør)
26 jul. 2018 → 9 sep. 2019

Tutorial: Advances in Microgrids Control and Management

Anvari-Moghaddam, A. (Foredragsholder), Shafiee, Q. (Foredragsholder), Bevrani, H. (Foredragsholder) & Guerrero, J. M. (Foredragsholder)
20 feb. 2018 → 21 feb. 2018

Tutorial: The Internet of Energy - The Building Block for the Future Smart Grids

Savaghebi, M. (Foredragsholder), Quintero, J. C. V. (Foredragsholder), Guan, Y. (Foredragsholder) & Guerrero, J. M. (Foredragsholder)
29 okt. 2017

Special Section on "Energy Internet" (Begivenhed)

Guerrero, J. M. (Redaktør), Guan, Y. (Redaktør), Vasquez, J. C. (Redaktør) & Sun, K. (Redaktør)
28 aug. 2017 → 31 dec. 2018

Keynote: Advanced Control Architectures of DC Microgrids

Guerrero, J. M. (Foredragsholder)
10 jun. 2015

Keynote Plenary session: Future challenges on microgrids and DC homes

Guerrero, J. M. (Foredragsholder)
21 maj 2014

Keynote: Microgrid Technologies for Future Electric Vehicle Charging Stations

Guerrero, J. M. (Foredragsholder)
16 maj 2014

Keynote: New technologies and future challenges on MicroGrid Research

Guerrero, J. M. (Oplægsholder)
26 mar. 2014

Invited presentation: Advanced Control Architectures for Intelligent Microgrids

Guerrero, J. M. (Foredragsholder)
25 aug. 2011

Presseklip

40 nye medlemmer optaget i ATV i 2021

Wæhrens, B. V., Guerrero, J. M., Gram-Hanssen, K., Smedskjær, M. M., Chen, Z., Rosendahl, L. & Hose, K.
21/06/2021
1 element af Mediedækning

55 danske forskere er blandt verdens mest citerede

Blaabjerg, F., Guerrero, J. M., Lund, H., Mathiesen, B. V., Nielsen, P. H., Wang, X. & Vasquez, J. C.
29/11/2021
1 element af Mediedækning

Computer-professorat med Obelsk Støtte

Pedersen, G. F., Guerrero, J. M., Birkelund, S. & Grimshaw, M.

30/04/2012

16 elementer af Mediedækning

Dansk forsker kåret som verdens bedste inden for elektroingeniørvidenskab

Blaabjerg, F., Guerrero, J. M., Teodorescu, R., Chen, Z., Vasquez, J. C., E. Mogensen, P., Pedersen, K. I. & Popovski, P.

31/03/2023 → 04/04/2023

3 elementer af Mediedækning

Fornem hæder til AAU-professor

Guerrero, J. M.

06/12/2014

12 elementer af Mediedækning

Forskning i fremtidens el-systemer

Guerrero, J. M.

03/01/2014

5 elementer af Mediedækning

Mikroanlæg skal sikre bæredygtig energiforsyning

Guerrero, J. M.

28/05/2019

1 element af Mediedækning

NAVNE I NOTER

Guerrero, J. M.

25/12/2013

1 element af Mediedækning

NAVNE I NOTER

Guerrero, J. M.

25/12/2013

1 element af Mediedækning

Navne i noter

Guerrero, J. M.

14/12/2014

1 element af Mediedækning

Svinghjul kan give billigere strøm til søs

Guerrero, J. M.

12/01/2015

10 elementer af Mediedækning

Syv forskere fra Aalborg Universitet på Clarivates "Highly Cited Researchers List 2017"

Blaabjerg, F., Guerrero, J. M., Lund, H., Mathiesen, B. V., Teodorescu, R., Torp-Pedersen, C. & Quintero, J. C. V.

21/11/2017

1 element af Mediedækning

Villum Fonden udvælger 11 nye investigators

Guerrero, J. M.

02/05/2019

1 element af Mediedækning

Aalborgprofessor skal udvikle bæredygtig energiforsyning

Guerrero, J. M.

02/04/2019

12 elementer af Mediedækning

Projekter

Active filter functionalities for power converters in wind power plants

Guerrero, J. M. (Projektleder), Chaudhary, S. (Projektdeltager), Teodorescu, R. (Projektdeltager), Bak, C. L. (Projektdeltager), Freijedo Fernandez, F. D. (Projektdeltager), Hoseinzadeh, B. (Projektdeltager) & Lascu, C. V. (Projektdeltager)

01/04/2014 → 31/03/2016

A Digital Twin framework in Microgrids including Renewable Generation and Energy Storage

Safavi, V. (PI (principal investigator)), Guerrero, J. M. (Supervisor), Vasquez, J. C. (Supervisor) & Bazmohammadi, N. (Supervisor)

01/08/2021 → 22/02/2025

ASSET: A holistic and Scalable Solution for Research, Innovation and Education in Energy Transition

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (Projektdeltager), Akhavan, A. (Projektdeltager), Nasir, M. (Projektdeltager) & Guldbæk, B. K. (Projektkoordinator)

Horizon Europe

01/05/2019 → 30/04/2021

Analysis and Optimization of VSG Stability in Microgrids under Large-Signal Disturbances

Jiang, B. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)

01/04/2021 → 21/12/2024

DiCyPS: Center for Data-Intensive Cyber-Physical Systems

Larsen, K. G. (PI (principal investigator)), Skou, A. (Col (co-investigator)), Pedersen, T. B. (Col (co-investigator)), Jensen, C. S. (Col (co-investigator)), Kjeldskov, J. (Col (co-investigator)), Skov, M. B. (Col (co-investigator)), Nielsen, B. (Col (co-investigator)), Lahrmann, H. (Col (co-investigator)), Bak-Jensen, B. (Col (co-investigator)), Guerrero, J. M. (Col (co-investigator)) & Raptis, D. (Projektdeltager)

Innovationsfonden

01/01/2015 → 31/12/2020

CROM: Center for Research on Microgrids

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (Projektdeltager), Tinajero, G. D. A. (Projektdeltager), Akhavan, A. (Projektdeltager), Barrios Flores, M. A. (Projektdeltager) & Pugliese, A. A. (Projektkoordinator)

Villum Fonden

01/08/2019 → 31/12/2025

MMGrid: Control and Management of Multi-Microgrid Clusters in Taiwan

Guerrero, J. M. (Projektleder), Dragicevic, T. (Projektdeltager), Vasquez, J. C. (Projektdeltager) & Wu, D. (Projektdeltager)

01/01/2013 → 31/12/2013

Control Strategies of Power Electronic Converters for MVDC Shipboard Microgrids

Xu, L. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)

15/02/2019 → 14/02/2022

Cyber-resilient Control Structures in DC Microgrids with Cyber-Physical Threats

Basati, A. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)

01/11/2019 → 31/10/2023

Cyber Security based Distributed Control for DC Microgrids and Multiple Microgrids Clusters

Tan, S. (PI (principal investigator)), Guerrero, J. M. (PI (principal investigator)) & Vasquez, J. C. (PI (principal investigator))
15/12/2018 → 14/12/2021

SALICRU: DC Voltage Railways Catenary - DCVOLTA

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (Col (co-investigator)), Barrios Flores, M. A. (Projektdeltager), Golestan, S. (Projektdeltager) & Guldbæk, B. K. (Projektkoordinator)
Salicru S.A.
01/07/2021 → 31/12/2022

Decentralized Adaptive Protection Schemes in Micro Grid Clusters

De La Cruz, J. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
01/11/2021 → 31/10/2024

Design, Control, and Power Management of Small Satellite Microgrids

Yaqoob, M. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
01/03/2019 → 28/02/2022

Dynamic Performance and Power Quality of Large-Scale Grid-Connected Wind Power Plants

Ullah, M. (PI (principal investigator)), Guerrero, J. M. (Supervisor), Vasquez, J. C. (Supervisor) & Guan, Y. (Supervisor)
01/03/2023 → 28/02/2026

Efficiensea

Guerrero, J. M. (Projektleder), Dragicevic, T. (Projektdeltager), Meng, L. (Projektdeltager), Vasquez, J. C. (Projektdeltager) & Miltersen, A. (Projektkoordinator)
Innovationsfonden
16/03/2015 → 15/03/2018

Energy Management System for Renewable Energy Sources Integrated Microgrids

Wu, J. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
15/02/2021 → 14/02/2024

Energy Management System in Shipboard Microgrid

Othman, M. B. (PI (principal investigator)), Anvari-Moghaddam, A. (Supervisor) & Guerrero, J. M. (Supervisor)
20/04/2016 → 01/05/2019

Energy Management Systems based on Internet of Things/ Energy Internet for Smart Homes

Arbab Zavar, B. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
01/10/2018 → 30/09/2021

Flexible electric vehicle charging infrastructure (Flex-ChEV)

Guerrero, J. M. (Projektleder), Dragicevic, T. (Projektdeltager), SUN, B. (Projektdeltager), Schaltz, E. (Projektdeltager), Vasquez, J. C. (Projektdeltager) & Shafiee, Q. (Projektdeltager)
01/03/2014 → 29/02/2016

Formålet er at udvikle næste generation af modulære AC Converter-systemer med høj ydeevne, der er i stand til at danne el-systemer med høj tæthed af vedvarende energi og lagringsystemer. Arbejdet starter med konceptet med trådløs strømdelingsstyring til paralleler med høj båndbreddeinverter. Derefter udvides konceptet til et el-system, der er i stand til at fungere i ø-tilstand. Ideelt set er der ingen gensidig kommunikation mellem konvertere til strømdeling udover kommunikationen til spændingssynkronisering. Og dette ø-el-system vil tilfredsstille strømnets standarder. I nogle tilfælde kan en kommunikation med lav båndbredde også tilføjes for at forbedre spænding og frekvensgendannelse og effektdelingsydelse. Alligevel har systemet robusthed mod kommunikationssvigt.

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (CoPI), Akhavan, A. (Projektdeltager), Wei, B. (Projektdeltager) & Guldbæk, B. K. (Projektkoordinator)
Huawei Technologies Co., Ltd.
25/09/2018 → 31/05/2020

Future Residential LVDC Power Distribution Architectures

Vasquez, J. C. (Projektleder) & Guerrero, J. M. (Projektdeltager)
01/01/2014 → 31/12/2014

HeatReFlex: Green and Flexible District Heating/Cooling

Anvari-Moghaddam, A. (PI (principal investigator)), Guerrero, J. M. (Projektdeltager), Nami, H. (Projektdeltager) & Mohammadiivatloo, B. (Projektdeltager)
Danida Fellowship Centre
01/05/2019 → 30/04/2022

Harmonic Control Architectures for Virtual Synchronous Generator-based Distributed Generation Systems

Li, S. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
01/04/2021 → 30/09/2024

HECATE: HECATE - Hybrid Electric Regional Aircraft Distribution Technologies

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (CoPI), Wei, B. (Projektdeltager), Bazmohammadi, N. (Projektdeltager), Lashab, A. (Projektdeltager) & Pugliese, A. A. (Projektkoordinator)
Horizon JU Innovation Action
01/01/2023 → 31/12/2025

Holistic Optimization and Control of Green Fuel-Powered Heavy Microgrids: A Sustainable Solution for Enhanced Energy Efficiency

Shao, J. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Wei, B. (Supervisor)
01/07/2023 → 30/06/2026

iDClab: iDClab - Intelligent Microgrid Living Lab

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (Projektdeltager), Diaz, E. R. (Projektdeltager) & Golestan, S. (Projektdeltager)
Det Strategiske Forskningsråd
01/01/2014 → 31/12/2017

DiCyPS: IT-Infrastructures for Control, Optimization and Management in Energy Systems

Guerrero, J. M. (Projektdeltager), Anvari-Moghaddam, A. (Projektdeltager), Vasquez, J. C. (Projektdeltager), Bak-Jensen, B. (Projektleder) & Guldbæk, B. K. (Projektkoordinator)
Innovationsfonden
01/01/2015 → 31/12/2020

Large-Scale Integration of Renewable Energy Power Plants and Flexible Demand in the Egyptian Electric Grid

Ali, H. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
01/04/2021 → 30/09/2024

LastWind: Large-Scale Integration of Wind Power Generation in Ethiopia - LastWind

Guan, Y. (PI (principal investigator)), Guerrero, J. M. (Projektdeltager), Vasquez, J. C. (Projektdeltager), Javidsharifi, M. (Projektdeltager), Yu, Y. (CoPI), Kang, W. (Projektdeltager) & Pugliese, A. A. (Projektkoordinator)
Danida Fellowship Centre
01/08/2023 → 31/07/2026

MICROGRID TECHNOLOGIES FOR FUTURE OFFSHORE WIND POWER PLANTS

Yu, Y. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
01/02/2020 → 31/01/2023

TECH-IN: Microgrid Technologies for Remote Indonesian Islands

Vasquez, J. C. (PI (principal investigator)), Guan, Y. (Projektdeltager), Vasquez, J. C. (Supervisor), Guerrero, J. M. (Projektdeltager) & Pugliese, A. A. (Projektkoordinator)
Danida Fellowship Centre

01/05/2021 → 30/11/2024

MeTER_Demo: Microgrid Technology Research and Demonstration

Guerrero, J. M. (Projektleder), Wu, D. (Projektdeltager), Guan, Y. (Projektdeltager), Vasquez, J. C. (Projektdeltager) & Savaghebi, M. (Projektdeltager)
01/04/2014 → 31/03/2017

HyMG: Microgrid technology research based on wind/PV/storage hybrid system

Guerrero, J. M. (Projektleder), Vasquez, J. C. (Projektdeltager) & Wu, D. (Projektdeltager)
01/01/2013 → 31/12/2013

Modeling of Solar Cells and Environmental Conditions for Space Microgrids

Raya-Armenta, J. M. (PI (principal investigator)), Guerrero, J. M. (Supervisor), Vasquez, J. C. (Supervisor) & Saez, D. (Supervisor)
01/01/2019 → 31/12/2021

NEST: National Research Infrastructure Roadmap

Sahlin, S. L. (PI (principal investigator)), Vasquez, J. C. (CoPI), Barrios Flores, M. A. (Projektansøger), Tinajero, G. D. A. (Projektdeltager), Arbab Zavar, B. (Projektdeltager), Guerrero, J. M. (Projektdeltager) & Pugliese, A. A. (Projektkoordinator)
Nationalt Udvalg for Forskningsinfrastruktur (NUFI)
01/01/2024 → 31/12/2026

Flywheel : Off-Shore Application of the Flywheel Energy Storage

Guerrero, J. M. (Projektleder), Dragicevic, T. (Projektdeltager) & Anvari-Moghaddam, A. (Projektdeltager)
Den Danske Maritime Fond
13/11/2014 → 28/02/2016

OFFSHORE WIND FARMS LARGE-SCALE INTEGRATION IN TURKEY

Chaudhary, S. (Projektdeltager), Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (Projektkoordinator), Tinajero, G. D. A. (Projektdeltager) & Høyer, M. (Projektdeltager)
01/06/2020 → 31/05/2023

VICINITY: Open virtual neighbourhood network to connect IoT infrastructures and smart objects

Guan, Y. (Projektdeltager), Vasquez, J. C. (Projektdeltager), Guerrero, J. M. (Projektkoordinator) & Miltersen, A. (Projektkoordinator)
European Commission
01/01/2016 → 31/12/2019

Photovoltaic Energy Supply for future Energy Neutral Base Stations

Javidsharifi, M. (PI (principal investigator)), Kerekes, T. (Supervisor) & Guerrero, J. M. (Supervisor)
01/07/2019 → 03/07/2022

Planning and Operational Management Systems for Resilient Microgrids in Remote and Islanded Communities Under Natural Disasters (TECH-IN: Microgrid Technologies for Remote and Island Communities under Natural Disasters)

Ali, M. (PI (principal investigator)), Guerrero, J. M. (Supervisor), Vasquez, J. C. (Supervisor) & Guan, Y. (Supervisor)
01/01/2022 → 01/02/2025

PLANNING, CONTROL, AND ENERGY MANAGEMENT OF SPACE MULTI-MICROGRID CLUSTERS FOR SPACE LUNAR BASES

Saha, D. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
01/02/2020 → 31/07/2023

Power management systems for shipboard ZED-based Multi-Microgrid Clusters

Xie, P. (PI (principal investigator)), Guerrero, J. M. (Supervisor) & Vasquez, J. C. (Supervisor)
15/12/2018 → 14/12/2021

REMCE: Renewable Energy based Minigrid Clusters in Ethiopia

Chaudhary, S. (PI (principal investigator)), Golestan, S. (Projektdeltager), Guan, Y. (Projektdeltager), Wu, Y. (Projektdeltager), Vasquez, J. C. (Supervisor), Guerrero, J. M. (Supervisor) & Pugliese, A. A. (Projektkoordinator)
Danida Fellowship Centre
01/05/2021 → 31/12/2024

REConnect: Renewable Energy Converters Connected in Parallel

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (Col (co-investigator)), Guan, Y. (Projektansøger) & Guldbæk, B. K. (Projektkoordinator)
ReConvert BV
01/08/2020 → 15/12/2020

REConnect: Renewable Energy Converters Connected to Grid

Guan, Y. (PI (principal investigator)), Guerrero, J. M. (Projektkoordinator), Vasquez, J. C. (Projektleder), Zwam, A. V. (Projektkoordinator), Meersman, B. (Projektdeltager) & Oostveen, B. (Projektdeltager)
01/08/2020 → 31/12/2020

SYNCHRONY: SYNCHRONY - Synchronization of Parallel Single-Phase Inverters with Power Sharing Control

Guerrero, J. M. (PI (principal investigator)), Vasquez, J. C. (CoPI), Golestan, S. (Projektdeltager), Akhavan, A. (Projektdeltager), Barrios Flores, M. A. (Projektdeltager), Guldbæk, B. K. (Projektkoordinator) & Pugliese, A. A. (Projektkoordinator)
Private funding
01/06/2020 → 31/05/2024

The Energy Internet - Integrating Internet of Things into the Smart Grid

Vasquez, J. C. (PI (principal investigator)), Guerrero, J. M. (Col (co-investigator)), Gui, Y. (Projektdeltager), Diaz, E. R. (Projektdeltager) & Garcia, E. J. P. (Projektdeltager)
Aalborg University
01/01/2017 → 31/12/2019

To Enhance the Fault Ride Through Capability of Doubly Fed Induction Generator using Direct Matrix Converter for Wind Turbines

Asim, A. (PI (principal investigator)), Vasquez, J. C. (Supervisor), Guan, Y. (Supervisor) & Guerrero, J. M. (Supervisor)
01/10/2023 → 30/09/2026

TROY: UPS SLC-TROY Project

Guerrero, J. M. (Projektleder), Vasquez, J. C. (Projektdeltager), Zhang, C. (Projektdeltager), Wei, B. (Projektdeltager) & Gui, Y. (Projektdeltager)
Others
01/04/2015 → 01/06/2017