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Projekter

ActRes: Agency for resilience – Making people and energy systems fit for climate change and crises

Hellwig, R. T. (PI (principal investigator)), dos Santos, L. F. (Projektdeltager), Berger, C. (Projektdeltager), Horvath, A.-S. (Projektdeltager), Horsbøl, A. (Projektdeltager), Vasquez, J. C. (Projektdeltager), Raftopoulos, M. (Projektdeltager), Yuan, M. (Projektdeltager), Rüdiger, M. (Projektdeltager), Sahoo, S. (Projektdeltager) & Guan, Y. (Projektdeltager)
01/09/2023 → 31/12/2025

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

Harmonic Modelling and Stability Analysis of Multi-Vendor Grid-forming Wind Power Plants

Song, J.-X. (PI (principal investigator)), Guan, Y. (Supervisor), Chaudhary, S. (Supervisor) & Yu, Y. (Supervisor)
15/06/2024 → 14/06/2027

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

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

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. H. (Projektkoordinator)
European Commission
01/01/2016 → 31/12/2019

Planning and Operational Management Systems for Resilient Microgrids in Remote and Isolated 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

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

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

Aktiviteter**Mission Innovation - Green Energy Community Webinar**

Guan, Y. (Foredragsholder)
12 jan. 2021

Chair of a Special Session: Advanced Power Converter Topologies of IEEE ECCE ASIA 2020

Guan, Y. (Andet) & Feng, W. (Andet)
1 dec. 2020

Sweden Electric Power and Power Electronics Conference - Microgrids and Internet of Things

Guan, Y. (Foredragsholder)
3 okt. 2019

Workshop: IoT-driven eEnergy 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: 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

Bevillinger

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: 5.370.376,00 kr.

01/08/2023 → 31/07/2026

Publikationer

Microgrids for energy access in remote and islanded communities under natural disasters – Context of Lombok Island Indonesia

Ali, M., Guan, Y., Vasquez, J. C., Guerrero, J. M., Wijaya, F. D. & Perdana, A. P., sep. 2025, I: *Renewable Energy Focus*. 54, 100705.

Active Damping of Grid-Forming Voltage-Source Converter Using Fractional-Order Regulators

Yu, Y., Guan, Y., Kang, W., Wu, J., Vasquez, J. C. & Guerrero, J. M., 2025, I: *IEEE Transactions on Industrial Electronics*.

A Decentralized Self-synchronizing Method for Cascaded Converter System Based on Analysis of the Existence of Equilibrium Points

Shi, G., Ou, J., Wu, Z., Zhang, J., Xu, X., Guan, Y. & Guerrero, J. M., 2025, (E-pub ahead of print) I: *IEEE Transactions on Power Electronics*.

A Generic Inertial-Response Preserved Active-Damping Control for Grid-Forming Inverters Emulating Synchronous Machines

Yu, Y., Guan, Y., Kang, W., Vasquez, J. C. & Guerrero, J. M., 2025, (E-pub ahead of print) I: *IEEE Transactions on Industrial Electronics*.

Three-Stage Planning of Networked Microgrids for Electrification of Indonesia Islands Considering Earthquake Scenarios

Kang, W., Guan, Y., Yu, Y., Vasquez, J. C., Wijaya, F. D. & Guerrero, J. M., 2025, *Energy Informatics - 4th Energy Informatics Academy Conference, EI.A 2024, Proceedings*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 355-371 17 s. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Bind 15272 LNCS).

Distributed control of virtual energy storage systems for voltage regulation in low voltage distribution networks subjects to varying time delays

Kang, W., Guan, Y., Wang, H., Vasquez, J. C., Agundis-Tinajero, G. D. & Guerrero, J. M., 15 dec. 2024, I: *Applied Energy*. 376, 124295.

Renewable Microgrids for Resilience Enhancement of Different Loads with Diverse Usage Patterns under Natural Disaster

Ali, M., Vasquez, J. C., Guerrero, J. M., Guan, Y., Bazmohammadi, N. & Ali, M., 23 jul. 2024, s. 175. 1 s.

Hierarchical Operation Management System for Mobile Ad-hoc Microgrids in Emergency Events

Guan, Y., Kang, W., Vasquez, J. C., Wijaya, F. D., Arumdati, N., Perdana, A. P., Ma, Z. G. & Guerrero, J. M., 2 jul. 2024, *2024 IEEE 10th International Power Electronics and Motion Control Conference (IPEMC2024-ECCE Asia)*. IEEE (Institute of Electrical and Electronics Engineers), s. 2752-2755 4 s. (International Power Electronics and Motion Control Conference (PEMC)).

A Probabilistic Data Recovery Framework against Load Redistribution Attacks Based on Bayesian Network and Bias Correction Method

Khaleghi, A., Ghazizadeh, M. S., Aghamohammadi, M. R., Guerrero, J. M., Vasquez, J. C. & Guan, Y., 1 jul. 2024, I: *IEEE Transactions on Power Systems*. 39, 4, s. 5806-5817 12 s.

Distributed Event-Triggered Secondary Frequency Regulation by Sharing HESS Power in Microgrids

Kang, W., Guan, Y., Yu, Y., Arbab-Zavar, B., C. Vasquez Q., J. & Guerrero, J. M., 1 jul. 2024, I: *IEEE Transactions on Smart Grid*. 15, 4, s. 3375-3389 15 s.

Joint planning of residential electric vehicle charging station integrated with photovoltaic and energy storage considering demand response and uncertainties

Zhang, M., Yan, Q., Guan, Y., Ni, D. & Agundis Tinajero, G. D., 1 jul. 2024, I: *Energy*. 298, 131370.

Health prognosis via feature optimization and convolutional neural network for lithium-ion batteries

Lin, M., Ke, L., Wei, W., Meng, J., Guan, Y. & Wu, J., jul. 2024, I: *Engineering Applications of Artificial Intelligence*. 133, Part F, 108666.

Analysis of Power Quality Improvement Techniques Applied to Grid-connected Wind Power Plants

Ullah, M., Guan, Y., Vasquez, J. C. & Guerrero, J. M., 26 jun. 2024, *2024 IEEE 15th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)*. IEEE (Institute of Electrical and Electronics Engineers), 6 s. 10667379. (IEEE International Symposium on Power Electronics for Distributed Generation Systems (PEDG)).

An Improved ω - ϕ Droop Control for Cascaded PV-ES System in Islanded Mode

Ou, J., Han, H., Shi, G., Guan, Y., Lashab, A. & Guerrero, J. M., 20 jun. 2024, I: *IEEE Transactions on Sustainable Energy*. 16, 1, s. 1-16 16 s.

Empowering Resilient Hospital Microgrids in Gaza with a Novel Toolbox for Sustainable Energy Solutions

Sugumar, B. K., Musfiq, N., Guan, Y. & Anglani, N., 20 jun. 2024, *Proceedings - 24th IEEE International Conference on Environment and Electrical Engineering and 8th I and CPS Industrial and Commercial Power Systems Europe, IEEEIC/ and CPS Europe 2024*. Leonowicz, Z. & Stracqualursi, E. (red.). IEEE (Institute of Electrical and Electronics Engineers), s. 1-6 6 s. 10751299

Microgrid an Energy Solution for Remote Islanded Communities in Indonesia

Ali, M., Vasquez, J. C., Guerrero, J. M., Guan, Y. & Bazmohammadi, N., 17 maj 2024, *2024 IEEE 10th International Power Electronics and Motion Control Conference (IPEMC2024-ECCE Asia)*. China : IEEE (Institute of Electrical and Electronics Engineers), s. 3799-3804 6 s.

Resilience Oriented Distributed Secondary Control for Networked Microgrids: A Case Study From Indonesia

Basati, A., Bazmohammadi, N., Guan, Y., Vasquez, J. C. & Guerrero, J. M., 28 apr. 2024, *2024 6th Global Power, Energy and Communication Conference (GPECOM 2024)*. IEEE (Institute of Electrical and Electronics Engineers), s. 512-517 6 s. (Global Power, Energy and Communication Conference (GPECOM)).

Microgrid For Remote Islanded Communities in Indonesia

Ali, M., Vasquez, J. C., Guerrero, J. M., Bazmohammadi, N., Guan, Y. & De La Cruz, J., 23 apr. 2024, s. 1. 1 s.

Dynamic Equivalent Modeling for Black-Box Microgrids under Multi-Operating-Point by Using LSTM

Li, Y., Guerrero, J. M., Yang, J., Guan, Y., Ma, G. & Feng, J., 1 mar. 2024, I: *CSEE Journal of Power and Energy Systems*. 10, 2, s. 639-648 10 s.

Dual-Stackelberg game-based trading in community integrated energy system considering uncertain demand response and carbon trading

Zhang, M., Yang, J., Yu, P., Tinajero, G. D. A., Guan, Y., Yan, Q., Zhang, X. & Guo, H., feb. 2024, I: *Sustainable Cities and Society*. 101, 105088.

A Resilient Control Framework for Enhancing Cyber-Security in Microgrids

Tan, S., Xie, P., Guan, Y., Vasquez, J. C., Guerrero, J. M. & Zhang, X., 2024, *Energy Informatics: 4th Energy Informatics Academy Conference, EI.A 2024, Kuta, Bali, Indonesia, October 23-25, 2024, Proceedings, Part II*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 372-378 7 s. (Lecture Notes in Computer Science, Bind LNCS 15272).

Inertial-Response Preserved Active Damping of Grid-Forming Voltage-Source Converters Using Fractional-Order Regulators

Yu, Y., Wu, J., Kang, W., Vasquez, J. C., Guerrero, J. M. & Guan, Y., 2024, *2024 IEEE 10th International Power Electronics and Motion Control Conference, IPEMC 2024 ECCE Asia*. IEEE (Institute of Electrical and Electronics Engineers), 10567460

Multi-Objective Energy Management for Residential Microgrid with Hybrid Electricity-Hydrogen Storage System using Particle Swarm Optimization

Wu, J., Li, S., Chaudhary, S., Vasquez, J. C., Guerrero, J. M. & Guan, Y., 2024, *2024 IEEE 10th International Power Electronics and Motion Control Conference, IPEMC 2024 ECCE Asia*. IEEE (Institute of Electrical and Electronics Engineers), s. 2716-2721 6 s. (International Power Electronics and Motion Control Conference (PEMC)).

Optimizing Hospital Isolated Microgrids in Gaza: Integrating DSS for Sustainable Energy and Resilience

Sugumar, B. K., Musfiq, N., Guan, Y., Julian, A. L., Oriti, G. & Anglani, N., 2024, *2024 IEEE Energy Conversion Congress and Exposition, ECCE 2024 - Proceedings*. IEEE (Institute of Electrical and Electronics Engineers), s. 817-824 8 s. (IEEE Energy Conversion Congress and Exposition (ECCE)).

Residual Capacity Estimation with Incremental Learning for Lithium-Ion Batteries

Wu, J., Wang, J., Guan, Y. & Lin, M., 2024, *Proceedings of 2024 IEEE 25th China Conference on System Simulation Technology and its Application, CCSSTA 2024*. IEEE (Institute of Electrical and Electronics Engineers), s. 557-564 8 s.

Stochastic Optimal Planning of Networked Microgrids for Indonesia Electrification Considering Various Faults

Kang, W., Guan, Y., Yu, Y., Wei, B., Barrios Flores, M. A., Danang Wijaya, F., Vasquez, J. C. & Guerrero, J. M., 2024, *2024 IEEE 10th International Power Electronics and Motion Control Conference, IPEMC 2024 ECCE Asia*. IEEE (Institute of Electrical and Electronics Engineers), s. 2287-2292 6 s.

Unique supporting Toolbox for Selecting Renewable Energy in Specific Geographical Locations, Prioritizing Resilience and SDGs

Sugumar, B. K., Guan, Y. & Anglani, N., 2024, *IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society, Proceedings*. IEEE (Institute of Electrical and Electronics Engineers), 10905546. (IECON Proceedings (Industrial Electronics Conference)).

Parallel Prediction Method of Knowledge Proficiency Based on Bloom's Cognitive Theory

Zhang, T., Mao, H., Liu, H., Liu, Y., Yu, M., Wu, W., Yu, G., Wei, B. & Guan, Y., dec. 2023, *I: Mathematics*. 11, 24, 23 s., 5002.

Long-Term Renewable Energy Planning in the Indonesian Context: A Lombok Island Study Case

Rajabnia, M., Ali, M., Vasquez, J. C., Guan, Y., Guerrero, J. M., Khan, B., Wijaya, F. D. & Perdana, A. P., 30 nov. 2023, *I: Applied Sciences*. 18 s.

Planning of Community Microgrid for Improving the Resilience of System by Using HOMER Grid

Ali, M., Rajabnia, M., Vasquez, J. C., Guerrero, J. M., Guan, Y. & Abusorrah, A. M., 2 okt. 2023, *2023 25th European Conference on Power Electronics and Applications, EPE 2023 ECCE Europe*. Aalborg, Denmark: IEEE (Institute of Electrical and Electronics Engineers), s. 1-6 6 s. 10264450

Distributed Fixed-Time Energy Management for Port Microgrid Considering Transmissive Efficiency

Ban, Z., Teng, F., Zhang, H., Li, S., Xiao, G. & Guan, Y., sep. 2023, *I: Mathematics*. 11, 17, 3674.

A Decentralized Secondary Frequency Restoration Control with Local Current for Island Cascaded-type Microgrids

Shi, G., Han, H., Sun, Y., Ou, J., Guan, Y. & Guerrero, J. M., 1 jul. 2023, *I: IEEE Transactions on Power Systems*. 38, 4, s. 3136-3146 11 s., 9889201.

Quasi-SoC Balancing Control for Networked Ad-hoc Microgrids Against Natural Disasters

Guan, Y., Kang, W., Vasquez, J. C., Wijaya, F. D., Arumdati, N., Priyo Perdana, A. & Guerrero, J. M., 11 jun. 2023, *PEDG 2023 - 2023 IEEE 14th International Symposium on Power Electronics for Distributed Generation Systems*. IEEE (Institute of Electrical and Electronics Engineers), s. 1015-1020 6 s. 10215137. (IEEE International Symposium on Power Electronics for Distributed Generation Systems (PEDG)).

Fractional Order Virtual Synchronous Generator

Yu, Y., Guan, Y., Kang, W., Chaudhary, S. K., Vasquez, J. C. & Guerrero, J. M., 1 jun. 2023, *I: IEEE Transactions on Power Electronics*. 38, 6, s. 6874-6879 6 s.

Energy Management for a Port Integrated Energy System Based on Distributed Dual Decomposition Mixed Integer Linear Programming

Teng, F., Zhang, Q., Xiao, G., Ban, Z., Liang, Y. & Guan, Y., jun. 2023, I: *Journal of Marine Science and Engineering*. 11, 6, 1137.

Model-Based Reinforcement Learning Method for Microgrid Optimization Scheduling

Yao, J., Xu, J., Zhang, N. & Guan, Y., jun. 2023, I: *Sustainability (Switzerland)*. 15, 12, 9235.

Ad-Hoc Microgrids Planning for Rural Communities under Natural Disasters

Ali, M., Vasquez, J. C., Guerrero, J. M., Guan, Y., Cruz, J. D. L. & Aslam, M. J., 9 mar. 2023, *2023 International Conference on Energy, Power, Environment, Control, and Computing (ICEPECC)*. IEEE (Institute of Electrical and Electronics Engineers), s. 1-5 5 s. 10209509

A Comparison of Grid-Connected Local Hospital Loads with Typical Backup Systems and Renewable Energy System Based Ad Hoc Microgrids for Enhancing the Resilience of the System

Ali, M., Vasquez, J. C., Guerrero, J. M., Guan, Y., Golestan, S., Cruz, J. D. L., Koondhar, M. A. & Khan, B., 15 feb. 2023, I: *Energies*. 16, 4, 1918.

Dynamic Frequency Performance Analysis and Improvement for Parallel VSG Systems Considering Virtual Inertia and Damping Coefficient

Chen, S., Sun, Y., Han, H., Shi, G., Guan, Y. & Guerrero, J. M., feb. 2023, I: *IEEE Journal of Emerging and Selected Topics in Power Electronics*. 11, 1, s. 478-489 12 s.

Ad-Hoc Microgrids Planning for Rural Communities Under Natural Disasters

Ali, M., Vasquez, J. C., Guerrero, J. M., Guan, Y., De La Cruz, J. & Yalman, Y., 9 jan. 2023. 1 s.

Conference Fireside Chat: "A Comparison of Typical Backup Systems and Ad Hoc Microgrids Powered by Renewable Energy for Improving the Resilience of Local Hospital Loads"

Ali, M., Vasquez, J. C., Guerrero, J. M., Guan, Y., De La Cruz, J. & Yalman, Y., 9 jan. 2023, 6 s.

A Defensive Mechanism Against Load Redistribution Attacks with Sequential Outage Potential Using Encrypted PMUs

Khaleghi, A., Ghazizadeh, M. S., Aghamohammadi, M. R., Guerrero, J. M., Vasquez, J. C. & Guan, Y., 2023, *IECON 2023 - 49th Annual Conference of the IEEE Industrial Electronics Society*. IEEE (Institute of Electrical and Electronics Engineers), 6 s. 10312307. (Proceedings of the Annual Conference of the IEEE Industrial Electronics Society).

Community microgrid planning in Lombok Island: an Indonesian case study

Kang, W., Guan, Y., Danang Wijaya, F., Kondorura Bawan, E., Priyo Perdana, A., Vasquez, J. C. & M. Guerrero, J., 2023, I: *Frontiers in Energy Research*. 11, 1209875.

Digital twin-based energy management for home microgrid: A quantification of redundant supply capacity

Shao, J., Wei, B., Guan, Y., Bazmohammadi, N., Vasquez, J. C. & Guerrero, J. M., 2023, *2023 IEEE Energy Conversion Congress and Exposition, ECCE 2023*. IEEE (Institute of Electrical and Electronics Engineers), s. 6176-6181 6 s. 10362682. (IEEE Energy Conversion Congress and Exposition (ECCE)).

Distributed Event-Triggered Power Optimization of Multiple Smart Homes in Microgrids

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An Integrated Synchronization and Control Strategy for Parallel-Operated Inverters Based on V-I Droop Characteristics
Cao, W., Han, M., Zhang, X., Guan, Y., Guerrero, J. M. & Vasquez, J., maj 2022, I: IEEE Transactions on Power Electronics . 37, 5, s. 5373-5384 12 s.

Event-triggered distributed voltage regulation by heterogeneous BESS in low-voltage distribution networks
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Adaptive Power Management of Hierarchical Controlled Hybrid Shipboard Microgrids
Mutarraf, M. U., Guan, Y., Terriche, Y., Lien Su , C., Nasir, M., Vasquez, J. C. & Guerrero, J. M., 21 feb. 2022, I: IEEE Access. 10, s. 21397-21411 15 s.

An Overview of the Operation Architectures and Energy Management System for Multiple Microgrid Clusters
Guan, Y., Wei, B., Guerrero, J. M., Vasquez, J. C. & Gui, Y., 2022, I: iEnergy. 1, 3, s. 306 - 314

Electric cars, ships, and their charging infrastructure – A comprehensive review
Mutarraf, M. U., Guan, Y., Xu, L., Lien Su , C., Vasquez, J. C. & Guerrero, J. M., 2022, I: Sustainable Energy Technologies and Assessments. 52, Part B, 102177.

Multi-time scale-based hierarchical optimal control strategy for energy management of a 100% clean energy town
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A Communication-Less Multimode Control Approach for Adaptive Power Sharing in Ship-Based Seaport Microgrid
Mutarraf, M. U., Terriche, Y., Nasir, M., Guan, Y., Lien Su , C., Vasquez, J. C. & Guerrero, J. M., 1 dec. 2021, I: IEEE Transactions on Transportation Electrification. 7, 4, s. 3070-3082 13 s.

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An IoT Platform-based Multi-objective Energy Management System for Residential Microgrids
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A Decentralized Control Scheme for Adaptive Power-Sharing in Ships based Seaport Microgrid.
Mutarraf, M. U., Terriche, Y., Nasir, M., Guan, Y., Su, C.-L., Vasquez, J. C. & Guerrero, J. M., nov. 2020, *Proceedings - IECON 2020: 46th Annual Conference of the IEEE Industrial Electronics Society*. IEEE (Institute of Electrical and Electronics Engineers), s. 3126-3131 6 s. 9255344. (Proceedings of the Annual Conference of the IEEE Industrial Electronics Society).

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Wu, Y., Wu, Y., Guerrero, J. M., Vasquez, J. C., Garcia, E. J. P. & Guan, Y., mar. 2020, I: Electronics. 9, 4, s. 1-18 18 s., 550.

An Introduction to the Internet of Things

Kölsch, J., Zivkovic, C., Guan, Y. & Grimm, C., 1 jan. 2020, *IoT Platforms, Use Cases, Privacy, and Business Models: With Hands-on Examples Based on the VICINITY Platform*. Springer Publishing Company, s. 1-19 19 s.

IoT Platforms

Uwiringiyimana, M. M., Nandagopal, G., Guan, Y., Vinkovič, S., Kölsch, J. & Heinz, C., 1 jan. 2020, *IoT Platforms, Use Cases, Privacy, and Business Models: With Hands-on Examples Based on the VICINITY Platform*. Springer Publishing Company, s. 21-49 29 s.

Methods and Tools for Validation and Testing

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Preface

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