

Teaching portfolio

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TEACHING EXPERIENCE

I have many years of teaching experience from my current position and also while conducting my PhD research. Currently, I have taught at both the Bachelor and Master's level (as listed below), and been involved in designing almost all of the courses I have taught. Over the years, I have supervised several term papers, bachelor theses, and master's theses. Additionally, I have taught both long and short courses in several different countries, such as the United Kingdom, China, Taiwan, and Denmark. A lot of what I have learned from my multi-cultural experience can be transferred to my teaching. My classroom teaching blends lecturing, case discussions, and student presentations. I use varied methods to evaluate my students' learning outcomes, such as written/oral exams and individual/group assignments. The exact proportion of the mixture depends on the size of the class and the level of the students.

This is a fairly complete list of courses I have taught:

- MSc (Eng) in Energy Business Ecosystem
- MSc (Eng) in Software Business Ecosystem
- MSc (Eng) in Scientific Methods
- MSc (Eng) in Innovative Energy Solutions
- MSc (Eng) in Innovative Software Solutions
- MSc (Eng) in Product and Innovation Management
- MSc (Eng) in Qualitative Market Research
- MA in International Business
- MSc and BA in Design of Operations Facilities and Systems
- MSc in Time Management
- BSc (Eng) in Cross-Cultural Management
- BSc (Eng) in Innovation Strategy
- BSc (Eng) in Product Development and Innovation
- BSc (Eng) in Qualitative Market Research

Educational practice - Basis / values

My teaching aim is not only to train students in applying theories and models to identify, analyse, discuss, and solve practical problems, but also to equip them with creative thinking skills and an innovative spirit in a global context. Specifically, my teaching is highly practice-based. I try to encourage my students to identify and solve the real problems or challenges in a particular situation/case, identify the pertinent theories or models which may intuitively provide an understanding of the problem and its attendant context, and then embed the innovation concept to reach potential strategic solutions.

In terms of my background, I am fully experienced in cultural diversity due to having worked and taught in several different countries. My international experience strengthens my teaching methods based on my understanding of different students' background, interests, and demands.

FORMAL PEDAGOGICAL TRAINING

I completed the Danish university teachers' pedagogical training programme in December 2012, and also attended the Associate Teachers' Programme (ATP) while conducting my PhD research at the University of Nottingham.

OTHER ACTIVITIES RELATED TO TEACHING AND TEACHING DEVELOPMENT

2017-2018: Internal mentor for SDU Lecturer Training Programme

2017: Project of Developing Students Inter-Cultural Competences

Publikationer

A scoping review on electric vehicle charging strategies with a technical, social, and regulatory feasibility evaluation

Christensen, K., Ma, Z. G. & Jørgensen, B. N., apr. 2025, I: Renewable & Sustainable Energy Reviews. 211, 25 s., 115300.

A Framework for Resilient Community Microgrids: Review of Operational Strategies and Performance Metrics

Billanes, J. D., Jørgensen, B. N. & Ma, Z. G., jan. 2025, I: Energies. 18, 2

A Cost-Effective Edge Computing Gateway for Smart Buildings

Madsen, S. S., Staugaard, B. E., Ma, Z. G., Yussof, S. & Jørgensen, B. N., 2025, *Energy Informatics - 4th Energy Informatics Academy Conference, EIA 2024, Proceedings*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 37–54

A Review of Intelligent Technologies in District Heating Systems

Ma, Z. G. & Jørgensen, B. N., 2025, *Progress in Artificial Intelligence: 23rd EPIA Conference on Artificial Intelligence, EPIA 2024, Viana do Castelo, Portugal, September 3–6, 2024, Proceedings, Part II*. Santos, M. F., Machado, J., Novais, P., Cortez, P. & Moreira, P. M. (red.). Springer, s. 123–134 (Lecture Notes in Computer Science, Bind 14968).

Challenges in Transitioning from Co-Simulation to Practical Application: A Case Study on Economic Emission Dispatch in a Greenhouse Compartment

Clausen, C. S. B., Lehnhoff, S., Schwarz, J. S., Jørgensen, B. N. & Ma, Z. G., 2025, *Energy Informatics - 4th Energy Informatics Academy Conference, EIA 2024, Proceedings*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 173-192

Data-Driven Digital Twin Based Energy Flexibility Investigation for Commercial Greenhouse Production Process

Howard, D. A., Værbak, M., Ma, Z. M., Jørgensen, B. N. & Ma, Z. G., 2025, *Progress in Artificial Intelligence: 23rd EPIA Conference on Artificial Intelligence, EPIA 2024, Viana do Castelo, Portugal, September 3–6, 2024, Proceedings, Part I*. Santos, M. F., Machado, J., Novais, P., Cortez, P. & Moreira, P. M. (red.). Springer Nature, s. 193-205 (Lecture Notes in Computer Science, Bind 14967).

Data-Driven Digital Twin for Foundry Production Process: Facilitating Best Practice Operations Investigation and Impact Analysis

Howard, D. A., Værbak, M., Ma, Z., Jørgensen, B. N. & Ma, Z., 2025, *Energy Informatics: 4th Energy Informatics Academy Conference, EIA 2024, Kuta, Bali, Indonesia, October 23–25, 2024, Proceedings, Part I*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer Science+Business Media, s. 259-273 (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Bind 15271 LNCS).

Data-Driven Technologies for Energy Optimization in Smart Buildings: A Scoping Review

Billanes, J. D., Ma, Z. G. & Jørgensen, B. N., 2025, *I: Energies*. 18, 2

DataPro – A Standardized Data Understanding and Processing Procedure: A Case Study of an Eco-driving Project

Ma, Z., Jørgensen, B. N. & Ma, Z. G., 2025, *Energy Informatics: 4th Energy Informatics Academy Conference, EIA 2024, Kuta, Bali, Indonesia, October 23–25, 2024, Proceedings, Part I*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 136–154 (Lecture Notes in Computer Science, Bind 15271).

Energy Data Collection Protocol: A Case Study on the ADRENALIN Project

Tolnai, B. A., Ma, Z. G. & Jørgensen, B. N., 2025, *Energy Informatics - 4th Energy Informatics Academy Conference, EIA 2024, Proceedings*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 120-135

Engineering Research Mastery: From Defining the Problem to Delivering Result: Comprehensive Methods, AI-Driven Tools, and Practical Roadmaps for Modern Researchers

Ma, Z. G., 2025, Amazon.co.uk. 208 s.

Enhancing Resilience and Sustainability: A Scoping Review of Operational Strategies for Networked Microgrids

Ma, Z. G., Jørgensen, B. N. & Billanes, J. D., 2025, (Accepted/In press) *2025 IEEE International Conference on Power System and Smart Grid Technologies (PSSGT 2025)*. IEEE

Fuel Efficiency Analysis of the Public Transportation System Based on the Gaussian Mixture Model Clustering

Ma, Z., Jørgensen, B. N. & Ma, Z. G., 2025, *Progress in Artificial Intelligence: 23rd EPIA Conference on Artificial Intelligence, EPIA 2024, Viana do Castelo, Portugal, September 3–6, 2024, Proceedings, Part II*. Santos, M. F., Machado, J., Novais, P., Cortez, P. & Moreira, P. M. (red.). Springer, s. 209–219 (Lecture Notes in Computer Science, Bind 14968).

Harnessing E-Trucks as Mobile Microgrids: Enhancing Community Health Clinics' Resilience in Indonesia

Cong, L., Jørgensen, B. N. & Ma, Z. G., 2025, *Energy Informatics: 4th Energy Informatics Academy Conference, EI.A 2024, Kuta, Bali, Indonesia, October 23–25, 2024, Proceedings, Part II*. Nørregaard Jørgensen, B., Ma, Z. G., Danang Wijaya, F., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 336-354 (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Bind 15272).

Leveraging Digital Twins for Sustainable District Heating: A Study on Waste Heat from Power-to-X Plants

Værbak, M., Jørgensen, B. N. & Ma, Z., 2025, *Energy Informatics: 4th Energy Informatics Academy Conference, EI.A 2024, Kuta, Bali, Indonesia, October 23–25, 2024, Proceedings, Part I*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer Science+Business Media, s. 210-227 (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Bind 15271 LNCS).

Leveraging Internet of Things Network Metadata for Cost-Effective Automatic Smart Building Visualization

Staugaard, B. E., Madsen, S. S., Ma, Z. G., Yussof, S. & Jørgensen, B. N., 2025, *Energy Informatics: 4th Energy Informatics Academy Conference, EI.A 2024, Kuta, Bali, Indonesia, October 23–25, 2024, Proceedings, Part I*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 55-70 (Lecture Notes in Computer Science, Bind 15271).

Multi-agent based modeling for investigating excess heat utilization from electrolyzer production to district heating network

Christensen, K., Jørgensen, B. N. & Ma, Z. G., 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. 365-378

Multi-Agent Based Simulation for Decentralized Electric Vehicle Charging Strategies and their Impacts

Christensen, K., Jørgensen, B. N. & Ma, Z. G., 2025, *Progress in Artificial Intelligence: 23rd EPIA Conference on Artificial Intelligence, EPIA 2024, Viana do Castelo, Portugal, September 3–6, 2024, Proceedings, Part II*. Santos, M. F., Machado, J., Novais, P., Cortez, P. & Moreira, P. M. (red.). Springer, s. 220-232 (Lecture Notes in Computer Science, Bind 14968).

Multi-Agent Based Simulation for Investigating Centralized Charging Strategies and their Impact on Electric Vehicle Home Charging Ecosystem

Christensen, K., Jørgensen, B. N. & Ma, Z. G., 2025, *4th Energy Informatics Academy Conference 2024*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer, s. 193-209

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Process-to-Market: A Web-Based Evaluation Tool for Electricity Market Participation

Schwarz, H., Gärdström, H. F., Fatras, N., Madsen, F. W., Jørgensen, B. N. & Ma, Z. G., 2025, *Energy Informatics: 4th Energy Informatics Academy Conference, EI.A 2024, Kuta, Bali, Indonesia, October 23–25, 2024, Proceedings, Part I*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer Science+Business Media, s. 71-88 (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Bind 15271 LNCS).

Symbiosis: A Web-Based Decision Support Tool for Achieving Symbiosis in Industrial Parks

Gärdström, H. F., Schwarz, H., Jørgensen, B. N. & Ma, Z. G., 2025, *Energy Informatics: 4th Energy Informatics Academy Conference, EI.A 2024, Kuta, Bali, Indonesia, October 23–25, 2024, Proceedings, Part I*. Jørgensen, B. N., Ma, Z. G., Wijaya, F. D., Irnawan, R. & Sarjiya, S. (red.). Springer Science+Business Media, s. 21-36 (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Bind 15271 LNCS).

Scoping Reviews Unlocked: A Six-Step Cookbook for Beginners: Mastering AI-Enhanced Literature Analysis and Writing Review Papers

Ma, Z. G., 29. dec. 2024, Energy informatics Academy. 166 s.

Data-Driven Causal Reasoning for Eco-Driving Behavior Analysis in Public Transportation Systems

Ma, Z., Jørgensen, B. N. & Ma, Z. G., 3. dec. 2024, (Afsendt) I: Engineering Applications of Artificial Intelligence.

Residential Heating Demand Prediction Using Time-Series Clustering and Deep Learning

Ma, Z. G., Vanting, N. B. & Jørgensen, B. N., dec. 2024, *2024 10th International Conference on Systems and Informatics (ICSAI)*. Li, Q., Wang, Y. & Wang, L. (red.). IEEE, 6 s. (Proceedings - International Conference on Systems and Informatics (ICSAI)).

Towards energy efficient buildings by digital transformation of the building lifecycle

Jørgensen, B. N. & Ma, Z., dec. 2024, I: Energy Informatics. 7, 9 s., 81.

Multi-dimensional Microgrid Ecosystem Performance Metrics Identification

Ma, Z. G., Jessen, S. H. & Jørgensen, B. N., jul. 2024, *2024 IEEE Technology and Engineering Management Society (TEMSCON LATAM)*. Mendoza, P. S., Vilora-Nunez, C. & Ahumanda-Tello, E. (red.). IEEE, 6 s.

Sustainable Energy Solutions for Island Microgrids: Onshore and Offshore PV Feasibility Analysis

Ma, Z. G., Jessen, S. H. & Jørgensen, B. N., jul. 2024, *2024 IEEE Technology and Engineering Management Society (TEMSCON LATAM)*. Mendoza, P. S., Vilora-Nunez, C. & Ahumanda-Tello, E. (red.). IEEE, 6 s.

A Digital Twin Framework for Simulating Distributed Energy Resources in Distribution Grids

Værbak, M., Billanes, J. D., Jørgensen, B. N. & Ma, Z. G., 23. maj 2024, I: Energies. 17, 11, 36 s., 2503.

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

Guan, Y., Kang, W., Vasquez, J. C., Danang Wijaya, F., Arumdati, N., Priyo Perdana, A., Ma, Z. G. & Guerrero, J. M., maj 2024, *2024 IEEE 10th International Power Electronics and Motion Control Conference (IPEMC2024-ECCE Asia)*. IEEE, s. 2752-2755

A scoping review of In-the-loop paradigms in the energy sector focusing on software-in-the-loop

Clausen, C. S. B., Jørgensen, B. N. & Ma, Z. G., 27. feb. 2024, I: Energy Informatics. 7, 40 s., 12.

A Scoping Review of Energy-Efficient Driving Behaviors and Applied State-of-the-Art AI Methods

Ma, Z., Jørgensen, B. N. & Ma, Z. G., 19. jan. 2024, I: Energies. 17, 2, 19 s., 500.

A Modifiable Architectural Design for Commercial Greenhouses Energy Economic Dispatch Testbed

Clausen, C. S. B., Jørgensen, B. N. & Ma, Z. G., 2024, *Energy Informatics: Third Energy Informatics Academy Conference, EIA 2023, Campinas, Brazil, December 6–8, 2023, Proceedings, Part I*. Jørgensen, B. N., da Silva, L. C. P. & Ma, Z. (red.). Springer, s. 234–252 (Lecture Notes in Computer Science, Bind 14467).

A systematic data characteristic understanding framework towards physical-sensor big data challenges

Ma, Z., Jørgensen, B. N. & Ma, Z. G., 2024, I: Journal of Big Data. 11, 1, 37 s., 84.

Improving Resilience and Sustainability: A Review of Ad-Hoc Microgrids' Operations' Strategies and Methods

Billanes, J. D., Jørgensen, B. N. & Ma, Z. G., 2024, *2024 International Conference on Renewable Energies and Smart Technologies (REST)*. IEEE, 5 s.

Multi-Agent Based Simulation for Investigating Electric Vehicle Adoption and Its Impacts on Electricity Distribution Grids and CO2 Emissions

Christensen, K., Ma, Z. G. & Jørgensen, B. N., 2024, *Energy Informatics: Third Energy Informatics Academy Conference, EIA 2023, Campinas, Brazil, December 6–8, 2023, Proceedings, Part II*. Nørregaard Jørgensen, B., da Silva, L. C. P. & Ma, Z. (red.). Springer, Bind 2. s. 3-19 (Lecture Notes in Computer Science, Bind 14468).

Optimizing Island Microgrids for Sustainability: Renewable Integration Strategies and Economic Viability in Gili Trawangan, Indonesia

Ma, Z. G., Jessen, S. H. & Jørgensen, B. N., 2024, *2024 International Conference on Renewable Energies and Smart Technologies (REST)*. IEEE, 5 s.

Eco-driving Intelligent Systems and Algorithms: A Patent Review

Ma, Z., Jørgensen, B. N. & Ma, Z. G., 20. dec. 2023, *The 8th International Conference on Power and Renewable Energy (ICPRE 2023)*. IEEE, s. 285-290 (International Conference on Power and Renewable Energy (ICPRE)).

Business Models for Digitalization Enabled Energy Efficiency and Flexibility in Industry: A Survey with Nine Case Studies

Ma, Z., Jørgensen, B. N., Levesque, M., Amazouz, M. & Ma, Z. G., 2. dec. 2023, *Energy Informatics. EIA 2023: Third Energy Informatics Academy Conference, EIA 2023, Campinas, Brazil, December 6–8, 2023, Proceedings, Part I*. Nørregaard Jørgensen, B., Pereira da Silva, L. C. & Ma, Z. (red.). Springer, s. 253-270 (Lecture Notes in Computer Science, Bind 14467).

Identifying Best Practice Melting Patterns in Induction Furnaces: A Data-Driven Approach Using Time Series K-Means Clustering and Multi-Criteria Decision Making

Howard, D. A., Jørgensen, B. N. & Ma, Z. G., dec. 2023, *Energy Informatics: Third Energy Informatics Academy Conference, EIA 2023, Campinas, Brazil, December 6–8, 2023, Proceedings, Part I*. Jørgensen, B. N., Pereira da Silva, L. C. & Ma, Z. (red.). Springer, s. 271–288 (Lecture Notes in Computer Science, Bind 14467).

A Novel Hybrid Feature Importance and Feature Interaction Detection Framework for Predictive Optimization in Industry 4.0 Applications

Ma, Z., Jørgensen, B. N. & Ma, Z. G., 16. nov. 2023, *IECON 2023—49th Annual Conference of the IEEE Industrial Electronics Society*. IEEE, 6 s. (Proceedings of the Annual Conference of the IEEE Industrial Electronics Society).

Message from the Technical Program Committee Chairs

Jiang, X. F., Ma, Z. G. & Tan, R., 16. jun. 2023, *e-Energy '23: Proceedings of the 2023 The 14th ACM International Conference on Future Energy Systems*. Association for Computing Machinery, s. V-VI

Multi-Method Simulation and Multi-Objective Optimization for Energy-Flexibility-Potential Assessment of Food-Production Process Cooling

Howard, D. A., Jørgensen, B. N. & Ma, Z., feb. 2023, *I: Energies*. 16, 3, 27 s., 1514.

An agent-based simulation evaluating the impact of consumer-trader information asymmetry on electricity market participation success

Fatras, N., Ma, Z. G. & Jørgensen, B. N., 2023, *2023 19th International Conference on the European Energy Market (EEM)*. IEEE, 6 s. (International Conference on the European Energy Market, Proceedings).

A Scoping Review of Energy Load Disaggregation

Tolnai, B. A., Jørgensen, B. N. & Ma, Z. G., 2023, *Progress in Artificial Intelligence - 22nd EPIA Conference on Artificial Intelligence, EPIA 2023, Proceedings: 22nd EPIA Conference on Artificial Intelligence, EPIA 2023, Faial Island, Azores, September 5–8, 2023, Proceedings, Part II*. Moniz, N., Vale, Z., Cascalho, J., Silva, C. & Sebastião, R. (red.). Springer, Bind 2. s. 209–221 (Lecture Notes in Computer Science, Bind 14116).

Digital Transformation in District Heating Systems: A Scoping Review

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Digital Twins: Benefits, Applications and Development Process

Jørgensen, B. N., Howard, D. A., Clausen, C. S. B. & Ma, Z. G., 2023, *Progress in Artificial Intelligence: 22nd EPIA Conference on Artificial Intelligence, EPIA 2023, Faial Island, Azores, September 5–8, 2023, Proceedings, Part II*. Moniz, N., Vale, Z., Cascalho, J., Silva, C. & Sebastião, R. (red.). Springer, Bind 2. s. 511-522 (Lecture Notes in Computer Science, Bind 14116).

Ecosystem based Opportunity Identification and Feasibility Evaluation for Demand Side Management Solutions

Ma, Z. G., Christensen, K., Vaerbak, M., Fatras, N., Howard, D. A. & Jørgensen, B. N., 2023, *2023 IEEE Conference on Power Electronics and Renewable Energy, (CPERE)*. IEEE, 6 s.

Energy Informatics: Tackling energy poverty in vulnerable communities

Ma, Z. G. & Jørgensen, B. N., 2023, *I: Energy Informatics*.

Energy metaverse: the conceptual framework with a review of the state-of-the-art methods and technologies

Ma, Z. G., 2023, *I: Energy Informatics*. 6, 1, 35 s., 42.

Energy Metaverse: a virtual living lab of the energy ecosystem

Ma, Z. G., 2023, *I: Energy Informatics*. 6, 1, 7 s., 3.

How research in energy informatics contributes to energy transitions and SDG 7

Ma, Z. G. & Jørgensen, B. N., 2023, *I: Energy Informatics*.

Standard energy data competition procedure: A comprehensive review with a case study of the ADRENALIN load disaggregation competition

Tolnai, B. A., Ma, Z. G. & Jørgensen, B. N., 2023, *Energy Informatics. EI.A 2023: Third Energy Informatics Academy Conference, EI.A 2023, Campinas, Brazil, December 6–8, 2023, Proceedings, Part I*. Nørregaard Jørgensen, B., Pereira da Silva, L. C. & Ma, Z. (red.). Springer, s. 60-75 (Lecture Notes in Computer Science, Bind 14467).

Application of Energy Informatics in Danish Research Projects

Howard, D. A., Ma, Z. G. & Jørgensen, B. N., 21. dec. 2022, *I: Energy Informatics*. 5, Suppl. 4., 31 s., 57.

Can we benefit from game engines to develop digital twins for planning the deployment of photovoltaics?

Clausen, C. S. B., Ma, Z. G. & Jørgensen, B. N., 21. dec. 2022, *I: Energy Informatics*. 5, Suppl. 4, 26 s., 42.

Evaluation of Neural Networks for Residential Load Forecasting and the Impact of Systematic Feature Identification

Vanting, N. B., Ma, Z. G. & Jørgensen, B. N., 21. dec. 2022, *I: Energy Informatics*. 5, Suppl. 4, 23 s., 63.

An agent-based modelling framework for the simulation of large-scale consumer participation in electricity market ecosystems

Fatras, N., Ma, Z. G. & Jørgensen, B. N., dec. 2022, *I: Energy Informatics*. 5, Suppl. 4, 30 s., 47.

CELSIUS: an international project providing integrated, systematic, cost-effective large-scale IoT solutions for improving energy efficiency of medium- and large-sized buildings

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Ecosystem-driven business opportunity identification method and web-based tool with a case study of the electric vehicle home charging energy ecosystem in Denmark

Ma, Z. G., Christensen, K., Rasmussen, T. F. & Jørgensen, B. N., dec. 2022, *I: Energy Informatics*. 5, Suppl. 4, 35 s., 54.

Potentials of game engines for wind power digital twin development: an investigation of the Unreal engine

Sørensen, J. V., Ma, Z. G. & Jørgensen, B. N., dec. 2022, *I: Energy Informatics*. 5, Suppl. 4, 39.

Summary of Energy Informatics.Academy Conference 2022

Ma, Z., Jørgensen, B. H., Chen, G., Madsen, H., Duan, H., da Silva, L. C. P. & Jørgensen, B. N., dec. 2022, *I: Energy Informatics*. 5, Suppl. 4, 4 s., 37.

Survey data on university students' experience of energy control, indoor comfort, and energy flexibility in campus buildings

Ma, Z., dec. 2022, *I: Energy Informatics*. 5, Suppl. 4, 12 s., 50.

A Case Study of Digital Twin for Greenhouse Horticulture Production Flow

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A systematic review of electricity market liberalisation and its alignment with industrial consumer participation: A comparison between the Nordics and China

Fatras, N., Ma, Z. G., Duan, H. & Jørgensen, B. N., aug. 2022, I: *Renewable & Sustainable Energy Reviews*. 167, 34 s., 112793.

Process-to-market matrix mapping: A multi-criteria evaluation framework for industrial processes' electricity market participation feasibility

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A frequency-domain analysis of electricity market prices for multi-timescale flexibility of Power-to-X facilities

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Energy Flexibility Potential in the Brewery Sector: A Multi-agent Based Simulation of 239 Danish Breweries

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The importance of systematical analysis and evaluation methods for energy business ecosystems

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A digital twin framework for evaluating industrial consumers' demand response participation: a comparison between Denmark and China

Fatras, N., Ma, Z. & Jørgensen, B. N., 24. sep. 2021, I: *Energy Informatics*. 4, s. 36-39 P13.

Agent-based simulation framework for evaluating energy flexibility solutions and adoption strategies

Christensen, K., Ma, Z., Demazeau, Y. & Jørgensen, B. N., 24. sep. 2021, I: *Energy Informatics*. 4, Suppl. 1, 8 s., P11.

Digitalisation potentials in the electricity ecosystem: lesson learnt from the comparison between Germany and Denmark

Hack, T., Ma, Z. & Jørgensen, B. N., 24. sep. 2021, I: *Energy Informatics*. 4, Suppl. 2, 27.

Greenhouse Industry 4.0 – Digital Twin Technology for Commercial Greenhouses

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