

Decarbonizing Jordanian Energy Systems Utilising Smart Solutions based on Energy Storage. Green Hydrogen and Power-to-X for University Students Capacity-Building for Jordan's Future Workforce. Advanced Teaching and training on Smart grid & Grid Integration of Renewable Energy Systems. Modeling and Simulation Distributed Energy Resources in ...

The smart grid lab at GJU is established in 2018 and includes a research team that focuses on smart grid topics to conduct several research areas. The research group works in three areas: energy management and renewable energy ...

The implementation of a smart grid in Jordan offers many potential advantages, such as improved reliability and efficiency of the power grid, expanded integration of renewable energy sources, ...

The Duke Energy Smart Grid Laboratory (DESG) at the Energy Production and Infrastructure Center (EPIC) primarily supports the education, research and outreach activities to modernize the power grid. Centered in the Charlotte region the lab supports utilities, vendors and agencies in the region, nationally and internationally. The laboratory is a state-of-the-art facility designed to ...

Advanced Teaching and training on Smart grid & Grid Integration of Renewable Energy Systems AT-SGIREs, is an ERASMUS+ PROGRAMME Project Number: 585648-EPP-1-2017-1-UK-EPPKA2-CBHE-JP, approved by the European Commission under grant agreement number 2012-3324/001-001.

Development of Framework for the Governance of WEFE Nexus in Jordan. Green Hydrogen Production & Utilization. Completed Projects: ... Noteworthy is the project's reliance on the Smart Grid Lab's dedication, currently operating without external funding. Seeking collaboration with industry stakeholders and research institutions, the lab's ...

NTNU and SINTEF are operating the National Smart Grid Laboratory in Trondheim. The laboratory is a system oriented laboratory providing state-of-the-art infrastructure for R& D, demonstration, verification, and testing over a wide range of Smart grid use cases. The laboratory enable us to test the Smart Grids of tomorrow.

Al-Mahmodi received a bachelor's degree from Yarmouk University in Jordan in Electrical power engineering and followed up with a master's degree in Mechanical engineering/ Renewable energy at the University of Jordan. He worked in research for about five years, at Yarmouk University and the German Jordanian University/ Smart Grid lab.

the smart grid lab at german jordanian university launched training courses in green hydrogen technology Dr. Hani Muhsen ? July 7, 2023, 7:37 a.m. As a part of the project the team at German Jordanian University has conducted a training course focused on green hydrogen technology and PtX.

The Smart Grid Lab at German Jordanian University (GJU) is announcing a closing webinar of "Digital Twin Software to Control Part of Jordanian Electrical Networks with Considering the Cyber-Security Aspect"; project. Date: January 24, 2024 . Time: 05:00 - 07:00 pm, Jordan Time . Location: Online . For registration, please fill out the This Form:

Bachelor's degree of Mechatronics, University of Jordan. EXPERIENCE. Research Assistant, Sep 2018 - Present German Jordanian University - Smart Grid Laboratory . SELECTED PUBLICATIONS. Muhsen H, Allahham A, Al-Halhouli A, Al-Mahmodi M, Alkhraibat A, Hamdan M. Business Model of Peer-to-Peer Energy Trading: A Review of Literature.

Smart Grid Laboratory. ... Advanced Teaching and training on Smart grid & Grid Integration of Renewable Energy Systems (AT-SGIRES) ... A Case Study," 2021 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT) ...

Green Hydrogen and Power-to-X for University Students Capacity-Building for Jordan's Future Workforce. ... Ahmad Al-Momani is a member of the Smart Grid Lab at German Jordanian University in Amman, Jordan. He obtained the B.Sc. degree in Electrical Power Engineering from Al-Balqa" Applied University, in 2019. He received his M.Sc. degree in ...

In this paper, the decentralized smart grid control strategy has been implemented on the current grid located in Jordan at a low voltage level to emulate how the Smart Grid concept would ...

This laboratory offers conformity functionality and cybersecurity assessment and certifies smart grid equipment. There is also an option to rent the laboratory and supervise testing for manufacturers that require a third party facility to verify their developments.. Laboratory capabilities include assessment of the essential requirements set out in the EMC Directive, ...

Green Hydrogen and Power-to-X for University Students Capacity-Building for Jordan's Future Workforce. ... THE SMART GRID LAB AT GERMAN JORDANIAN UNIVERSITY LAUNCHED TRAINING COURSES IN GREEN HYDROGEN TECHNOLOGY. Smart Grid Laboratory. Amman Madaba Street. Building G, 102. P.O. Box 35247.

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