

This study aims to evaluate renewable-friendly smart grid technologies regarding distributed energy investment projects by using a hybrid picture fuzzy rough decision-making ...

This has recently come to more widespread attention and has secured the efficient running of the solutions available on the smart energy market. Recent years have seen a rise in the prevalence of smart home technology, which can be attributed to recent advancements in energy management activities on smart grid . In a variety of written works ...

The smart grid (SG) ensures the flow of electricity and data between suppliers and consumers. The reliability and security of data also play an important role in the overall management. This can be achieved with the help of adaptive energy management (AEM). This research aims to highlight the big data issues and challenges faced by AEM employed in SG ...

Then, Iran smart grid vision was outlined according to the expert opinion and upstream national ... Smart grid provides optimal management of demand and supply in competitive electricity market ...

Adjunct Professor at Amirkabir University of Technology - Tehran Polytechnic · Experience: Iran Grid Management Company · Education: Amirkabir University of Technology - Tehran Polytechnic · Location: Tehran · 464 connections on LinkedIn. View mahdi zolfaghari's profile on LinkedIn, a professional community of 1 billion members.

WIRELESS SENSOR BASED SMART GRID MANAGEMENT USING PHOTOVOLTAIC SYSTEM

Suman Patel U P, DEC M.tech, MSRIT, Dr.K.Nataragan, Head of the Department, Telecommunication, MSRIT -----***----- Abstract - Wireless Sensor Networks (WSN) are getting more integrated to our daily lives and smart surroundings as they are being used for health, ...

Smart transmission grid is achieved by integrating the existing transmission network assets and infrastructures. Reliability, sustainability, security, efficiency and quality

?Professor of Electrical Engineering, Tarbiat Modares University, Tehran/Iran? - ??Cited by 10,874?? - ?Energy management? - ?Smart grid? - ?Renewable energy? - ?Data Science Applications in Power Systems? - ?Distributed Decision Making?

This paper gives a comprehensive comparison of the existing grid with the future grid and as a result, an overview of essential requirements for the implementation of a smart grid in Iran is obtained. The presses of establishing the smart grid ...

(Iran Grid Management Company), KREC is the pilot of implementing smart grid in Iran. 2. Iran National Transmission Grid Current State Ministry of Energy is responsible for energy policy in Iran and associates with 16 Regional Electricity Companies, which are in ...

Energy Management in Smart Grid. By Claude Ziad El-Bayeh and Khaled Alzaareer. The integration of highly fluctuated distributed generations (such as PVs, wind turbines, electric vehicles, and energy storage systems) threatens the stability of the power and distribution systems. The main cause is that the power ratio between the supply and ...

studying the way of running the Smart Grid in the Iranian power network. The Iran Energy Efficiency Organization (IEEO) or SABA is responsible to carry out the design of Smart Grid in ...

Dr. Mostafa Rajabi Mashhadi is Deputy Managing Director of National Grid Dispatching and member of the board of Iran Grid Management Company (IGMC). Mr. Rajabi started his career as a power plant control system specialist in 1994. He joined the Khorasan Regional Electric Company (KREC) in 2004, as power market office manager.

In 2015, global energy management company Landis+Gyr and communications technology company Ericsson announced their partnership aiming to empower Smart Metering and Smart Grid projects in the ...

In Iran, like many other developed countries, Smart Grid implementation is regarded as a unique way for encountering many serious environmental and economic challenges that mankind is faced today. FAHAM is the National Smart Metering Program in Iran. The functional, technical, security, economic, an

Recently, the concept of smart grid adds some newfeatures to Volt/Var Control (VVC) of distribution system. Smart grid technologies will improve control and monitoring process of distribution system. The smart grid project in Iran has been started with implementing smart meters for about one million customers. This...

This paper gives a comprehensive comparison of the existing grid with the future grid and as a result, an overview of essential requirements for the implementation of a smart grid in Iran is obtained.

?Chairman of the Board and Managing Director of Iran Grid Management Company (IGMC)? - ??Cited by 112?? - ?power system? - ?smart grid? - ?renewable energy? ... 2015 Smart Grid Conference (SGC), 86-91, 2015. 7: 2015: Skeleton network reconfiguration for ...

University of Tabriz is honored to host the 11 th Smart Grid Conference (SGC 2021) in cooperation of the Iranian Society of Smart Grid (ISOSG). This conference will be held on 7-9 December 2021. The SGC 2021 is programmed with the aim of extending the technical knowledge to provide a forum for exchanging technical and scientific findings, presenting the ...

OverviewHistoryFunctionality of FAHAMEnvironmental benefitsEconomical benefitsSee alsoExternal

Iran smart grid management

In January 2010, The Iranian parliament regulated that Tavanir and Grid operators shall decrease electricity grid loss at least 1% per year with 14% overall network loss in 2015. This important decision has been also stated in clause 47 of the "targeted subsidy law." In March 2009, Tavanir assigned IIEEO as Iranian AMI project manager. In April 2010, government decided to support finance of national smart metering roll-out to facilitate power network technical and non technical...

Assistant Professor, Tarbiat Modares University, - Cited by 6,165 - Micro- and Smart Grids - Cyberphysical Energy Systems - Application of AI and Big Data in Energy Sys.?

The government of Iran aims to transform its present conventional electrical grid into a smart grid by incorporating the smart power management technologies by 2025 [23]. ...

Northeast says countries in the MENA region will spend US\$9.8bn on smart grid infrastructure including smart meters, distribution automation and smart city technology by 2024. Ben Gardner, president of the research group said ...

The FAHAM plan is to develop the Iran smart grid roadmap project, one of the subprojects of the Iran smart grid national grand project. Published in: 2023 8th International Conference on Technology and Energy Management (ICTEM) Article #: Date of Conference: 08-09 February 2023 Date Added to IEEE Xplore: 04 April 2023 ISBN Information: ...

Due to the remarkable development of technology and economy, the resilient power system is emerging as a key element which inevitably leads us towards the Smart Grid. This smart grid should be able to bring new abilities such as high reliability, self-healing, energy efficiency, price response, peak load reduction, and distribution automation. This paper gives a ...

This article comprises two significant sections: Iran's smart grid technology roadmap and the national smart metering plan (known as FAHAM). The FAHAM plan is to develop the Iran ...

A market framework for decentralized congestion management in smart distribution grids considering collaboration among electric vehicle aggregators A Asrari, M Ansari, J Khazaei, P Fajri IEEE Transactions on Smart Grid 11 (2), 1147-1158, 2019

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objectives of Iran Department of Energy, display deep changes in expansion of electricity network. It means smart grid, smart metering and new management is necessary. Three main parts of ...

Smart Grid in Iran: Driving Factors, Evolution, Challenges and Possible Solutions Majid Biabani, Masoud Aliakbar Golkar ... o Distribution management system: IEC 61968 (support

Senior Power System Engineer at National Grid · I was born in Mianeh, Iran in 1986. After attending Rahsaz High School, I was admitted to Birjand University in the field of Electrical Engineering in 2006. Then, I received my M.S degree in 2011, in Electrical Engineering from Urmia University. Through Jan 2009 to Jan 2011 (In the master& #39;s program), I published ...

This paper gives a comprehensive comparison of the existing grid with the future grid and as a result, an overview of essential requirements for the implementation of a smart grid in Iran...

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