

Analyze intelligent electrical power system dynamics (frequency stability) to achieve active power balance, and identify control-room technologies for system-wide remote monitoring, protection and risk management of smart grid cyber ...

Le MOOC Smart Grids vise à présenter de manière structurée, et sans exiger de connaissances préalables en électrotechnique, l'ensemble des éléments techniques qui permettent de comprendre les mécanismes essentiels du fonctionnement actuel des réseaux électriques, leurs limites, et les solutions qui sont envisagées pour les faire ...

Identify control-room technologies for system-wide remote monitoring, protection and risk management of smart grid cyber security. Simulate a 9-bus grid, with and without variable renewable resources, Analyze the impact of "intelligent" but common grid disturbances on an electrical power system, and

Identify the impact of variable renewable energy sources (VRES) and smart energy demand on electrical power grids, Identify different tools and approaches to design a smart grid, Apply optimal power flow (OPF) solutions to evaluate ...

Learn to build a model of a smart power grid, and to diagnose the effects of disturbances from variable renewable energy resources and intelligent demand on the grid. The smart grid of the future is a complex electrical power system. Its study, design, and management requires the integration of [...]

- Distinguir las características básicas que conforman una smart grid en sus principales etapas. - Analizar la topología de una red eléctrica convencional y una red inteligente desde la generación hasta el consumo de energía; para que comprendas cómo se administra una red inteligente con sistemas de comunicaciones, control y monitoreo ...

- Identify the impact of variable renewable energy sources (VRES) and smart energy demand on electrical power grids; and different tools and approaches to design a smart grid. - Apply ...

- Identify the impact of variable renewable energy sources (VRES) and smart energy demand on electrical power grids; and different tools and approaches to design a smart grid. - Apply optimal power flow (OPF) solutions to evaluate the performance of an electrical power system with integrated renewable energy sources.

Identify the impact of variable renewable energy sources (VRES) and smart energy demand on electrical power grids, Identify different tools and approaches to design a smart grid, Apply optimal power flow (OPF) solutions to evaluate the performance of an electrical power system with integrated renewable energy sources,

EdX est une plateforme d'apprentissage en ligne (dite FLOT ou MOOC). Elle héberge et met gratuitement à disposition des cours en ligne de niveau universitaire travers le monde entier. Elle mène également des recherches sur l'apprentissage en ligne et la façon dont les utilisateurs utilisent celle-ci.

Find out how smart grids and big data can help citizens, companies and cities understand energy use and reduce carbon footprint. ... Several web-based platforms (providers Aka initiatives) supported by top universities and colleges offer MOOCs in a wide range of subjects. About MOOC List "MOOC List" is an aggregator (directory) of Massive ...

Understand the basics of smart grids. Learn about their heterogeneity, dynamics, control, and about security and assessment strategies. The smart grid of the future is a complex electrical power system. Its study, design, and management requires the integration of knowledge from various disciplines including sustainability, technology and mathematics.

Learn to build a model of a smart power grid, and to diagnose the effects of disturbances from variable renewable energy resources and intelligent demand on the grid. The smart grid of the future is a complex electrical power system.

Learn to build a model of a smart power grid, and to diagnose the effects of disturbances from variable renewable energy resources and intelligent demand on the grid. The smart grid of the future is a complex electrical power system. Its study, design, and management requires the integration of knowledge from various disciplines including sustainability, technology and ...

Il a pris en charge la séquence du MOOC consacré au comptage communicant. DAMIEN PICAULT. Chef de projets Smart Grids à Grenoble INP. Damien a coordonné et valorisé les travaux de recherche pour Grenoble INP dans les démonstrateurs réseau électrique intelligents GreenLys et SOGRID, avant de rejoindre Enedis en 2016. PASCAL TIXADOR

Identify control-room technologies for system-wide remote monitoring, protection and risk management of smart grid cyber security. Simulate a 9-bus grid, with and without variable renewable resources, Analyze the impact of "intelligent" but ...

Web: <https://www.foton-zonnepanelen.nl>

