

What is the smart grid of the future?

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. Smart grids show a level of complexity and heterogeneity that often cannot be covered by analytical methods.

What do you learn in a smart grid course?

Understand the basics of smart grids. Learn about their heterogeneity, dynamics, control, and about security and assess... Discover the power of solar energy and learn how to design a complete photovoltaic system.

What is a MOOC course based on edX?

This is a Massive Open Online Course (MOOC) that runs on edX. Basic linear algebra, basic electrical circuit theory. Understand the basics of smart grids.

What is a smart grid and why is it important?

Its study, design, and management requires the integration of knowledge from various disciplines including sustainability, technology and mathematics. Smart grids show a level of complexity and heterogeneity that often cannot be covered by analytical methods. Therefore, modeling and simulation are of great importance.

Why is modeling and simulation important in a smart grid?

Smart grids show a level of complexity and heterogeneity that often cannot be covered by analytical methods. Therefore, modeling and simulation are of great importance. This course follows on from the first course where the key definitions, concepts and challenges in a smart grid are introduced.

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This engineering course will explain the essential nature of the smart grid, an electricity network based on digital technology, and the importance of grid modernization. Learn why smart grids ...

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 à travers le monde entier. ...

The MOOC "Smart Grids: the electric grids at the heart of the energy transition" was just

broadcast for the first time over five weeks, starting from April 25 th 2017, on the web ...

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Aprende los fundamentos t&#233;cnicos de una smart grid; la configuraci&#243;n de las capas inferiores y la forma en que se interconectan los dispositivos, casas y edificios inteligentes (internet of ...

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