

With the growing adoption of renewable energy and the trend toward local energy production and consumption, DC (direct current) microgrids have gained attention as a promising technology ...

Her research interests are Power Systems, Renewable Energy, Microgrids, Energy Storage, Sustainable Energy, and Resiliency. Her main research emphasis is on optimization of microgrids operation by integrating ...

Measurement-based estimation of inertia in AC microgrids An improved method for estimation of inertia constant of power system based on polynomial approximation Estimation of generator ...

These microgrids can switch between solar, wind, battery storage, and traditional grids on the fly, increasing energy resilience and reducing waste. Meanwhile, solid-state batteries (once a distant promise) are now entering pilot programs ...

Oregon passed legislation to allow municipalities, businesses and communities to build, own and operate microgrids "that improve resilience or mitigate the need for infrastructure upgrades." ...

Microgrids offer a new approach to power generation and distribution, resulting in unprecedented flexibility and resilience. These localized electrical networks operate independently or in ...

Wave energy developer CorPower Ocean has secured two new strategic investors as part of its Series B funding round. The investors include Acario, the Silicon Valley-based venture investment arm of Tokyo Gas, and GTT Strategic ...

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In this paper, the accuracy of online real-time estimation of inertia and damping based on transient response is improved by polynomial approximation considering the effect brought by ...

With an overwhelming bipartisan majority in both chambers, the Oregon Legislature voted to make the state a leader in energy resilience with a first-in-the-nation strategy to create a ...

On 23 May 2022, the "Indo-Pacific Economic Framework for Prosperity" was inaugurated by the United States in Tokyo, with thirteen founding partners, including India. Its objective is to ...



Tokyo microgrids



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