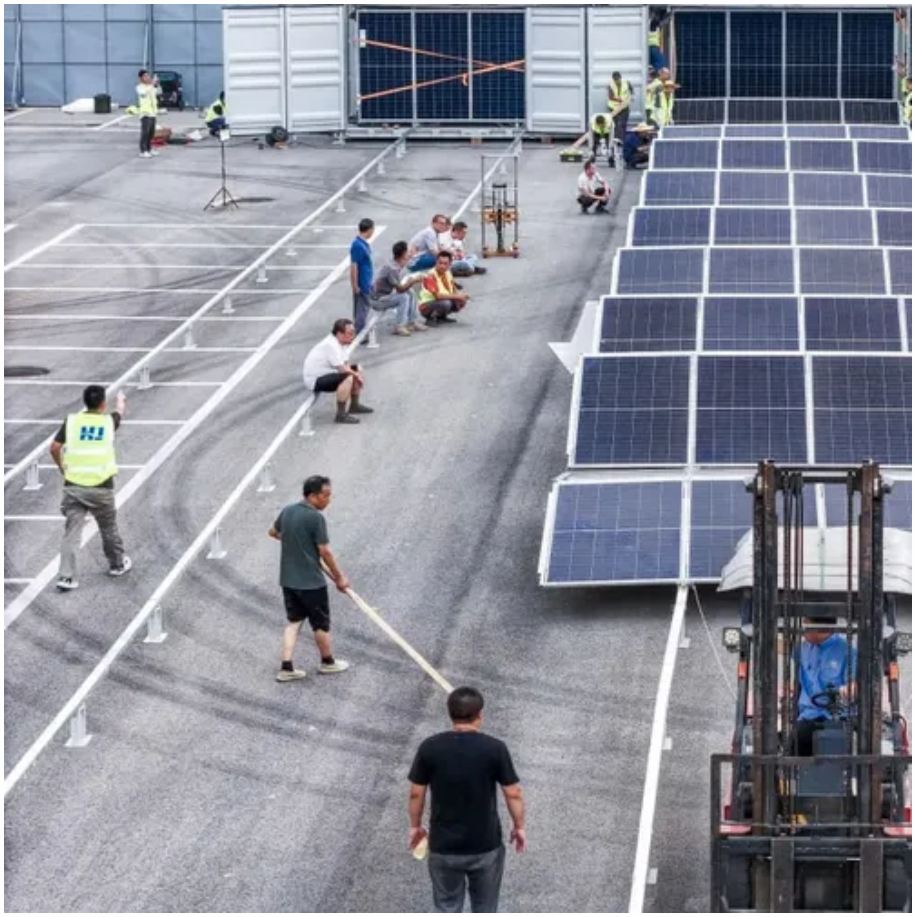
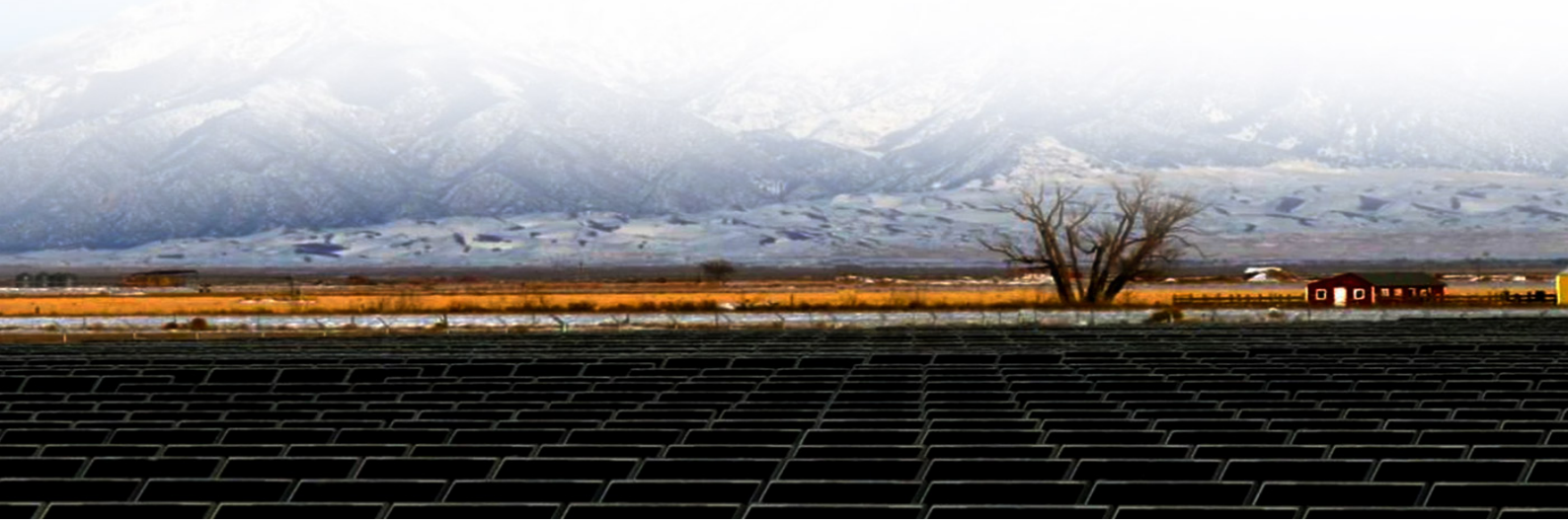
Weilin Solar Power Generation





Weilin Solar Power Generation

Weilin ZHONG , Associate Professor , Doctor of Engineering , Xinjiang

The paper proposes a coordinated frequency control strategy for Virtual Power Plant (VPPs), with the inclusion of Distributed Energy Resource (DERs), e.g., Solar Photo-Voltaic Generation (SPVG

Steam generation under one sun enabled by a floating structure with

Here we demonstrate a floating solar receiver capable of generating 100 ?C steam under ambient air conditions without optical concentration. The high temperatures are achieved by using thermal ...

Weilin Zhong

His current research interests include inertia estimation and frequency control of virtual power plants, stability analysis and control of distributed energy resources, and co-simulation for

Higher-Order Markov Chain-Based Probabilistic Power Flow

This joint probability distribution highlights the temporal interplay between PV generation and load variations, providing valuable insights for power system planning and operational strategies.

?Weilin Zhong?

Higher-Order Markov Chain-Based Probabilistic Power Flow Calculation Method Considering Spatio-Temporal Correlations. Energies 2025, 18, 1058.

Weilin Zhong , IEEE Xplore Author Details

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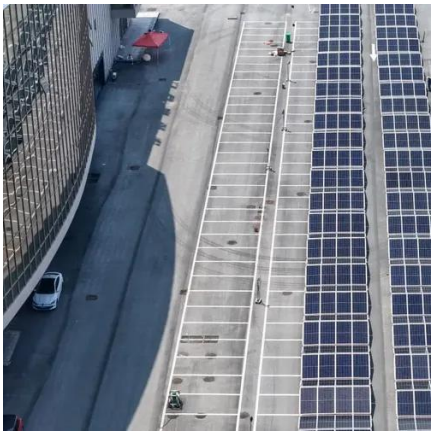

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This demonstration of a low-cost and scalable solar vapor generator holds the promise of significantly expanding the application domain and reducing the cost of solar thermal systems.

(PDF) Weilin Zhong Thesis Final

Using as starting point a comprehensive literature review of the VPP concept and its frequency regulation technologies, the thesis proposes a variety of frequency control and state ...

Weilin Yang , Semantic Scholar

Harvesting solar energy as heat has many applications, such as power generation, residential water heating, desalination, distillation and wastewater treatment.

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