

Dr. Kai Sun was born in Beijing, China, 1977. He received the B.E., M.E., and Ph.D. degrees in electrical engineering all from Tsinghua University, Beijing, China, in 2000, 2002, and 2006, ...

Tsinghua University ... Contact. Connect with experts in your field. ... (PV) and energy storage system (ESS) is a key issue to ensure reliable, resilient and economic operation of the microgrid ...

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Energy Internet, Integrated Energy System, Active Distribution Network, Energy Storage System Power system planning and operation, large-scale mixed integer programming

Power system planning, multiple energy system integration, wind power photovoltaic, concentrated solar power, solar thermoelectric power, power system operation optimization. ...

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He is currently working as an Associate Professor at Department of Electrical Engineering, Tsinghua University. His research interests include: Energy Internet, Smart Grid, Electricity ...

He is now a full Professor and Dean of the Department of Electrical Engineering at Tsinghua University, President of Tsinghua University Energy Internet Research Institute, and President ...

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Microgrids possess rotating generators and inverter-based renewable resources and have limited inertia. The stability of a microgrid is affected by the parameters of controller and system equipment.

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At Tsinghua University, he has led or participated in more than 5 projects, totaling more than RMB¥30M, with personal share more than ¥5M per year. He has authored more than 70 ...

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