

Who is Peng Zhang?

Peng Zhang is a tenured Full Professor of Electrical and Computer Engineering and a SUNY Empire Innovation Professor at Stony Brook University, New York, USA. He is an affiliated Professor of Computer Science and Applied Mathematics and Statistics at Stony Brook University.

Who is Prof Zhang?

He was a System Planning Engineer at BC Hydro and Power Authority, Canada, during 2006-2010. Prof. Zhang published over 200 journal and conference papers, technical reports and patents. He is the author of *Networked Microgrids* (2021, Cambridge University Press) and the editor of *Microgrids: Theory and Practice* (2024, Wiley-IEEE Press).

Who wrote Physics-informed neural control for uncertain networked microgrids?

L. Wang, S. Zhang, Y. Zhou, C. Fan, P. Zhang, and Y. Shamash, "Physics-Informed, Safety and Stability Certified Neural Control for Uncertain Networked Microgrids," *IEEE Transactions on Smart Grid*, accepted, 2023.

This lab is pioneering the research of coordinated networked microgrids (NMs) that can possibly help to restore neighboring distribution grids after a major blackout. That these NMs hold ...

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My research focuses on cyber-physical grid resilience including monitoring, detecting and mitigating cyber attacks, physical disturbances and extreme events on microgrids & networked microgrids, urban distribution grids, substations ...

van der Kam, Mart & van Sark, Wilfried, 2015. "Smart charging of electric vehicles with photovoltaic power and vehicle-to-grid technology in a microgrid; a case study," *Applied* ...

Illustrated with an empirical study on a city's microgrid project, this paper proposes a new evaluation... View Optimization of power dispatching strategies integrating management attitudes ...

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