



## CENTER PRODUCTIVITY

### Patents

Anagnostou, E. N., D. Wanik, B. Hartman, and J. He: University of Connecticut, 2021. Systems and Methods for Outage Prediction. U.S. Patent 11,144,835.

Shen, X., E. N. Anagnostou, and Q. Yang: System and Methods to Produce High Resolution Flood Maps in Near Real Time. Provisional U.S. Patent.

Watson, P., D. Cerrai, and E. N. Anagnostou: System and Method for Damage Assessment and Restoration. U.S. Application No. 16/683,701.

Watson, P., W. Hughes, W. Taylor, E. Anagnostou, D. Cerrai, W. Zhang, and A. Bagtzoglou: Systems and Methods for Infrastructure Resilience Estimation and Assessment. Nonprovisional U.S. Patent No. 209670-9060-US01.

### Publications

Abdollah, Y., Z. Wang, S. A. Dorado-Rojas, and P. Mandal. 2023. "Quantification of DERs Penetration Level in Microgrids: A Quest for Enhancing Short-Term Power Grid Resilience." 2023 IEEE PES General Meeting.

Abdollah, Y., Z. Wang, P. Siano, and F. Wang. 2023. "A Pathway to Mitigate Climate Change Impacts on Energy Communities: Decarbonization-Based Cost-Effective Grid Resilience Enhancement." 2023 IEEE PES General Meeting.

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Cao, D., J. B. Zhao, W. Hu, F. Ding, N. Yu, Q. Huang, Z. Chen, and F. Blaabjerg. 2022. "Model-Free Voltage Control of Active Distribution System with PVs Using Surrogate Model-Based Deep Reinforcement Learning." *Applied Energy* 306, 117982. <https://doi.org/10.1016/j.apenergy.2021.117982>.

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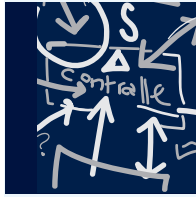
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