

**IDENTIFYING INFORMATION:****NAME:** Snodgrass, Jonathan M.**POSITION TITLE:** Senior Research Engineer**PRIMARY ORGANIZATION AND LOCATION:** Texas A&M University, Department of Electrical and Computer Engineering, College Station, Texas, United States**Professional Preparation:**

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
University of Wisconsin-Madison, Madison, Wisconsin, United States	PHD	12/2021	Electrical and Computer Engineering
University of Wisconsin-Madison, Madison, Wisconsin, United States	MS	12/2018	Electrical and Computer Engineering
Texas A&M University, College Station, Texas, United States	MS	08/2016	Electrical and Computer Engineering
Texas A&M University, College Station, Texas, United States	BS	05/2012	Electrical and Computer Engineering

**Appointments and Positions**

2022 - present	Senior Research Engineer, Texas A&M University, Department of Electrical and Computer Engineering, College Station, Texas, United States
2021 - 2022	Postdoctoral Researcher, Texas A&M University, Department of Electrical and Computer Engineering, College Station, Texas, United States
2016 - 2021	Research Assistant (part-time), University of Wisconsin-Madison, Madison, Wisconsin, United States
2015 - 2016	Research Assistant (part-time), Texas A&M University, College Station, Texas, United States
2014 - 2015	Teaching Assistant (part-time), Texas A&M University, College Station, Texas, United States
2012 - 2014	Electrical Design Engineer, Zachry Engineering, Amarillo, Texas, United States

**Products****Products Most Closely Related to the Proposed Project**

1. Overbye TJ, Birchfield A, Safdarian F, Snodgrass J, Cook J, Kang S. Second Stage in Feasibility Assessment of Synchronous Operations of the North American Eastern and Western Interconnections. PSERC Publication 24-01 (Report for Project S-102G). 2024 April.
2. Cook JS, Safdarian F, Snodgrass J, Overbye TJ. Large-Scale Weather Correlations for a Possible Interconnection of North American Power Grids. 2024 North American Power Symposium (NAPS), El Paso, TX. 2024 October.

3. Safdarian F, Cook J, Zhgun K, Overbye T, Snodgrass J. Power Flow Modeling of the Impacts of Weather and Other Resiliency Hazards With a Focus on Transmission Planning. 58th Hawaii International Conference on System Sciences; 2025 January; Waikoloa, HI.
4. Ekeruche E, Kunkolienkar S, Snodgrass J, Overbye TJ. Undergraduate Research on Improving Power Grid Planning Models. 2023 North American Power Symposium; 2023 October; Asheville, NC.
5. Wert JL, Chen T, Safdarian F, Snodgrass J, Overbye TJ. Calculation and Validation of Weather-Informed Renewable Generator Capacities in the Identification of Renewable Resource Droughts. IEEE PowerTech 2023; 2023 June; Belgrade, Serbia.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Taylor S, Rangarajan A, Rhodes N, Snodgrass JM, Lesieutre B, Roald LA. California Test System (CATS): A Geographically Accurate Test System based on the California Grid. IEEE Transactions on Energy Markets, Policy and Regulation. 2023; :1-12. Available from: <https://dx.doi.org/10.1109/temp.2023.3338568> DOI: 10.1109/temp.2023.3338568
2. Snodgrass JM. Tractable Algorithms for Constructing Electric Power Network Models. University of Wisconsin-Madison; 2021. Available from: <https://digital.library.wisc.edu/1711.dl/YMAKNWV4NCF7Q8W> Other: 28767848
3. Babaeinejadsarookolae S, Birchfield A, Christie R, Coffrin C, DeMarco C, Diao R, Ferris M, Fliscounakis S, Greene S, Huang R, Josz C, Korab R, Lesieutre B, Maeght J, Molzahn D, Overbye T, Panciatici P, Park B, Snodgrass J, Zimmerman R. The Power Grid Library for Benchmarking AC Optimal Power Flow Algorithms. arXiv preprint arXiv:1908.02788. 2019.
4. Safdarian F, Snodgrass J, Yeo J, Birchfield A, Coffrin C, Demarco C, Elbert S, Eldridge B, Elgindy T, Greene SL, Guo N, Holzer J, Lesieutre B, Mittelmann H, O'Neill RP, Overbye TJ, Palmintier B, Van Hentenryck P, Veeramany A, Mak T, Wert J. Grid Optimization Competition on Synthetic and Industrial Power Systems. North American Power Symposium; 2022 October; Salt Lake City, UT.
5. Dehghanian P, Zhang A, Fatima R, Snodgrass JM, Birchfield AB, Davis KR, Overbye TJ. An Integrated Assessment of a G3 GMD Event on Large-Scale Power Grids: From Magnetometer Data to Geomagnetically Induced Current Analysis. IEEE Transactions on Industry Applications. 2024; 60(1):1634-1644. Available from: <https://ieeexplore.ieee.org/document/10302343/> DOI: 10.1109/TIA.2023.3328974

**Certification:**

I certify that the information provided is current, accurate, and complete. This includes but is not limited to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Snodgrass, Jonathan M. in SciENcv on 2024-12-18 15:02:45