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Ph.D. Student in Energy Science and Engineering, admitted Spring 2021

Bio

EDUCATION AND CERTIFICATIONS

- M.S., Stanford University , Energy Resources Engineering (2021)
- B.S., Georgia Institute of Technology , Civil Engineering (2019)

Publications

PUBLICATIONS

- **Appliance decarbonization and its impacts on California's energy transition** *APPLIED ENERGY*
Sodwatana, M., Saad, D. M., Ahumada-Paras, M., Brandt, A. R.
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- **Energy storage in combined gas-electric energy transitions models: The case of California** *APPLIED ENERGY*
Saad, D. M., Sodwatana, M., Sherwin, E. D., Brandt, A. R.
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- **The value of enhanced geothermal systems for the energy transition in California** *SUSTAINABLE ENERGY & FUELS*
Aljubran, M. J., Saad, D. M., Sodwatana, M., Brandt, A. R., Horne, R. N.
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- **Impact of Multi-sector Carbon Tax for Achieving Deep Decarbonization**
Saad, D. M., Ahumada-Paras, M., Sodwatana, M., Brandt, A. R., IEEE
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- **Locational marginal pricing of energy in pipeline transport of natural gas and hydrogen with carbon offset incentives** *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*
Sodwatana, M., Kazi, S. R., Sundar, K., Brandt, A., Zlotnik, A.
2024; 96: 574-588
- **Effects of Hydrogen Blending on Natural Gas Pipeline Transients, Capacity, and Economics** *PSIG Annual Meeting*
Zlotnik, A., Kazi, S. R., Sundar, K., Gyrya, V., Baker, L., Sodwatana, M., Brodskyj, Y.
2023
- **Optimization of Hydrogen Blending in Natural Gas Networks for Carbon Emissions Reduction**
Sodwatana, M., Kazi, S. R., Sundar, K., Zlotnik, A., IEEE
IEEE.2023: 1229-1236
- **Probing multiscale dissolution dynamics in natural rocks through microfluidics and compositional analysis.** *Proceedings of the National Academy of Sciences of the United States of America*
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