

Lucien Werner is a PhD candidate at the California Institute of Technology in Prof. Steven Low's Netlab. His research addresses a range of important topics in energy and power systems, including energy market mechanism design, distribution grid modeling and control, and machine learning algorithms for smart grids. Lucien has extensive industry experience from frequent collaborations with utilities and ISOs and has consulted for engineering and energy trading companies in the power industry. He has also done machine learning research at leading tech companies, in particular at AWS AI labs to develop state-of-the-art deep learning algorithms for probabilistic load forecasting and at Microsoft Research to research reinforcement learning algorithms for optimal market-based scheduling of energy storage. His papers have been published in top energy and machine learning publications, and he is the recipient of Resnick and PIMCO graduate fellowships. Prior to joining Caltech, he received degrees applied mathematics and political science from Northwestern University and Harvard University.