psd

MASTER'S THESIS PRESENTATION

Short-Term Solar Irradiance Prediction

WHEN
May, 10th, 2021
1:00 PM, CDT

WHERE
Via ZOOM
ZOOM information will be provided in the email announcement for this seminar.

Benjamin Harris, MS candidate

Solar power generation is increasing throughout the world. Due to the variability of solar power, it is necessary to obtain accurate, short-term, probabilistic forecasts of solar irradiance so that power operators can adjust more stable inputs into the grid in order to manage risk. In this project, we propose two dynamic, spatio-temporal, evolution models to predict short-term solar irradiance. We give quantitative and qualitative assessments of accuracy and calibration for both models.

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