

Joshua Rhodes (CAEE) : New results from residential energy use data

- **Education:**

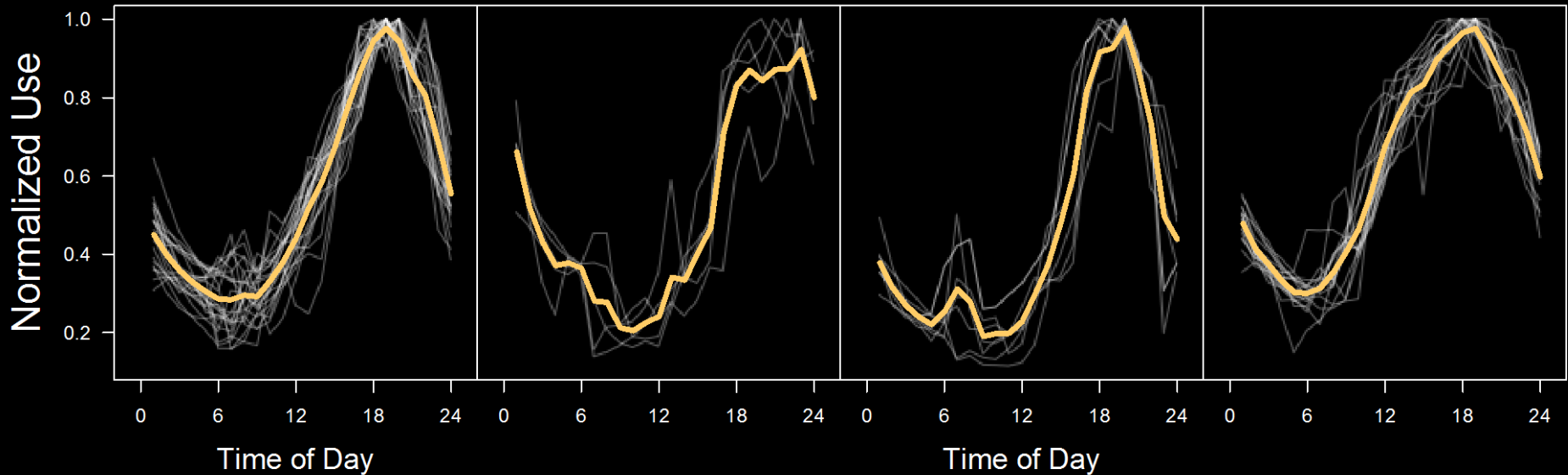


- **Most recent submitted publication: Experimental and Data Collection Methods for a Large-Scale Smart Grid Deployment**
- **Outreach**
 - Explore UT, guest speaker at St. Stephens Episcopal School (Energy + Environment)
- **Interests**
 - Residential energy audits coupled with simulation and demand curves

*Submitted to: Environmental Research Letters Special Edition on Residential Energy Use



Developing representative energy use profiles will allow for more understanding and realistic simulations



- Profiles can be randomly chosen to simulate groups of homes
 - Some profiles are more common
 - Weighting factors can be determined
 - Multipliers can be used to simulate realistic home draw patterns with magnitudes
- Some profiles might be more desired by utilities
- Thanks – Dr. Michael Webber, Pecan Street Inc., TACC

