Undergraduate Research Assistant in Solar Forecasting
Sensor Design and Analysis

Tasks: Assist with development, manufacturing, installation, and data analysis of advanced meteorological equipment to measure clouds and their impacts on solar energy systems at the UCSD campus microgrid and several power plants throughout California. More information about the project and links to several newspaper articles and movies can be found at http://maeresearch.ucsd.edu/kleissl and http://solar.ucsd.edu.

Work will be based in my lab in WLH with occasional outdoor field visits mostly on campus. Occasional multi-day field trips (your classes have priority) are possible. This is a good way to strengthen applications for grad school and/or obtain letters of reference.

Advisor: Jan Kleissl, jkleissl@ucsd.edu, EBU-II 580
Pay: initially $11/hour, performance-based raises possible, 10-20 hours per week, full-time summer work desirable
Required: some programming experience, driver's license, reliable, responsive, dedication to high quality work.
The perfect candidate (not required - learn as you go): Matlab, experience with design, sensors, electronics, familiar with MAE machine shop