

# Solar Thermal Electricity Power Generation Technology Overview

- A. Goals: To review and investigate current technologies, including control and real-time estimation tools, applied on Solar Thermal Electricity Power (STEP) Generation plants.
- B. Brief Description: STEP power plants uses concentrated solar thermal to generate super-heated steam to drive the turbine, and therefore produce electricity. This technology is proved to have better performance than currently widely applied PV systems.
- C. Heights of Achievements this semester (using bullets):
- Literature review
  - Real-time observer design

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