

Thrust Area 4: Solar (Thermal)
Multi-Generation Capable Solar Thermal Technologies

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Students: Jon Pandolfini (Ph.D.)

Description: The objective of the proposed research is to develop and demonstrate small-scale solar thermal technologies that can be used separately, in conjunction with one another, or with existing waste heat producers, thus improving the overall system efficiency.

Budget: \$544,226
University: FSU

Executive Summary

The solar simulator has been ordered and constructed. A frame for the array is built out of 80/20 extruded aluminum. Power supplies and control circuits allow the lights to be controlled to a desired constant power. Analysis was conducted by graduate student J. Pandolfini under the direction of B. Greska and A. Krothapalli. The solar simulator was determined to be cost effective.

This project has been completed.