

Challenge: Collecting thermal imagery from buildings is tedious, time consuming, and laborious.

Solution: Autonomous robot traverses through rooms and hallways of a building, to create a thermal map from interior. Thermography experts can step through captured thermal map using a web interface remotely without every having to be present in the building.

Team:

- Avidah Zakhor, Professor of EECS, UC Berkeley; 37 years of engineering experience ; 20 years of experience in mapping.
- Gary Yang , Jason Zang, David Shen: Undergraduates at UC Berkeley in EECS with extensive experience in robotics hardware and software.
- Natalia Perez; graduate of the mechanical engineering program at UC Berkeley with extensive experience in design and fabrication.

