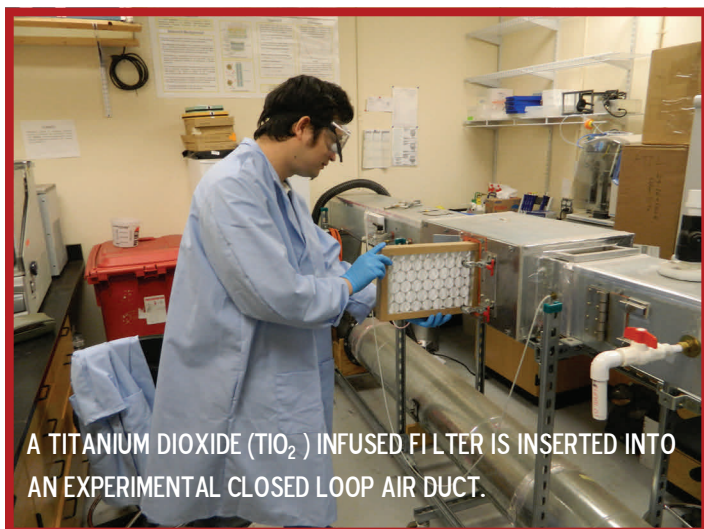


# Volunteers Needed for Fabrication at the Clean Energy Research Center



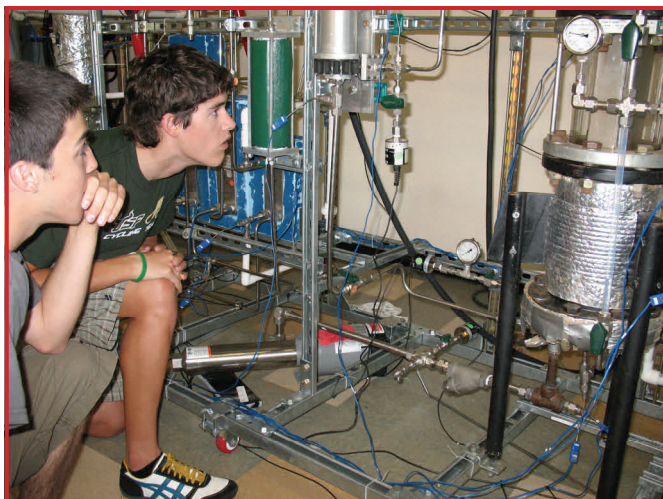
A TITANIUM DIOXIDE ( $\text{TiO}_2$ ) INFUSED FILTER IS INSERTED INTO AN EXPERIMENTAL CLOSED LOOP AIR DUCT.

**Get research experience in clean energy!**

*The Clean Energy Research Center (College of Engineering) wants you, if you are a highly motivated volunteer in all Engineering fields to help out at the lab — in particular with fabrication of detoxification filtration devices.*

Renewable energy technologies are the wave of the future and if you want to surf the wave, come join us! CERC investigates solar energy conversion, photocatalytic detoxification and disinfection, and geothermal power cycles.

## Clean Energy is Fascinating



## Who You Gonna Call?

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**Power Production**

- ◆ Photovoltaic Technology and Systems
- ◆ Solar Thermal Power for Bulk and Distributed Generation

**Energy Storage**

- ◆ Thermal Storage for Utility Scale Applications
- ◆ Ultra-capacitor and Battery Technology
- ◆ Hydrogen Storage in Polymers and Metal Hydrides

**Smart Grid Power Systems**

- ◆ Renewable Energy Grid Integration
- ◆ Microgrid Management
- ◆ Power System Dynamics and Simulation
- ◆ Smart Grid Control, Computing and Communications

**Photocatalytic Technologies**

- ◆ Detoxification and Disinfection of Water and Air

**Water Production**

- ◆ Solar Water Desalination and Distillation

**Advanced Technologies**

- ◆ Antenna Solar Energy Conversion
- ◆ Combined Power / Cooling Thermodynamic Cycle
- ◆ Thermochemical Production of Liquid Fuels from Biomass
- ◆ Carbon Capture & Sequestration

**Transportation Technologies**

- ◆ Electric/Hybrid Vehicles
- ◆ Energy Management

