Each trainee’s participation includes academic, research training and professional development with scientific, business and policy emphasis.

Program features include clean energy lecture, laboratory and seminar-based curriculum, internships or international experience, business development and small company opportunities along with community involvement activities in K-12.

For further information please contact: Prof. D.L. Huffaker, huffaker@ee.ucla.edu
**Technology**

- **Energy Harvesting**
  - Solar cells, TPVs, Biofuels
  - Thermoelectric and wind energy
  - Nanomaterials, quantum dots, wires

- **Energy Storage**
  - New batteries using Sol-Gel methods
  - 3-Dimensional microscale batteries
  - Electrochemical “Super Capacitors” using CNTs

- **Energy Conservation**
  - Top-down analysis of campus power generation.
  - Design of residential and commercial buildings using smart windows, cool paint and thin film reflective coating for roof and car tops
  - Combined PV and solar collectors for distributed heat and power generation

**CGI Mission Statement**

- **Clean-Green** IGERT (CGI) at the University of California, Los Angeles (UCLA) is designed to train U.S. Ph.D. scientists and engineers for leadership roles in the clean energy sector – industry, government and university – through integrated research, education and service.

- **CGI** is tasked to impact economic growth in the City of Los Angeles. Emphasis is placed on developing new business opportunities through university intellectual property and a highly trained workforce.

- **CGI** addresses the urgent societal challenge of meeting increasing energy needs without further negatively affecting the environment.

- **Community programs** are designed to educate and involve future scientists and leaders in K-12.

**Fellowship Benefits**

- $30K annual stipend
- Registration fees
- Laboratory fees
- Tuition
- Medical insurance
- Conference travel
- Internship
- International experience

**Participating Departments**

- Electrical Engineering
- California NanoSystems Institute (CNSI)
- Institute of the Environment
- Environmental Science & Engineering
- Materials Science & Engineering
- Mechanical & Aerospace Engineering
- Chemical & Biomolecular Engineering
- Chemistry & Biochemistry
- Center for Excellence in Eng. & Diversity (CEED)
- Anderson School of Management