



**EcoGreen Group** of Silicon Valley  
Creating Opportunities for Sustainability and Clean Technologies

# **EcoGreen Group**

**of**

## **Silicon Valley**

[www.ecogreengroup.org](http://www.ecogreengroup.org)



## Agenda

- 8:15 – 8:30 Self-introductions  
Mission of EGG  
Upcoming programs,  
events & jobs
- 8:30 – 9:30 Introducing: The GeoVerde Solar  
Metal Roofing Solution !**  
Richard Tsuei , GeoVerde



**EcoGreen Group** of Silicon Valley  
Creating Opportunities for Sustainability and Clean Technologies

# Self-Introductions



# EcoGreen Group of Silicon Valley

Creating Opportunities for Sustainability and Clean Technologies

## Mission

EcoGreen Group creates professional and entrepreneurial opportunities in sustainability and clean technologies through education, professional development, industry collaboration, and networking.

The EcoGreen Group fulfills this mission through our

- online blog,
- social media,
- collaborative workspaces,
- **volunteer opportunities** (see Rod)
- member projects,
- weekly and monthly meetings,
- and speaker events on specific sustainability topics.



**EcoGreen Group** of Silicon Valley  
Creating Opportunities for Sustainability and Clean Technologies

## **Upcoming EGG Programs**

**Dec 14 Holiday Party**

*Bring your own cup/mug to enter a prize drawing*



**EcoGreen Group** of Silicon Valley  
Creating Opportunities for Sustainability and Clean Technologies

**PG&E Energy Education Class**

**Hands On Advanced Lighting Controls:  
Introduction to CREE**

**Dec 7 4 p.m. – 6 p.m.**

**Lighting Controls: How Occupant Behavior  
Impacts Building Energy Performance and ZNE**

**Dec 12 9 a.m. – 4 p.m.**

**Hands On Advanced Lighting Controls:  
Introduction to Philips Spacewise and Easysense**

**Dec 13 4 p.m. – 6 p.m.**

**Lighting Fundamentals**

**Dec 15 9 a.m. – 4:30 p.m.**

go to [pge.com/energyclasses](http://pge.com/energyclasses)



**EcoGreen Group** of Silicon Valley  
Creating Opportunities for Sustainability and Clean Technologies

---

**NCCAUS Thin Film Users Group  
(TFUG) Meeting  
"Energy Storage and Conversion"**

**December 14, 2017**

12:30 p.m. – 3 p.m.

SEMI Global HQ, 673 S. Milpitas Blvd, Milpitas  
Free, No registration reqd.

(Agenda on next page)



# EcoGreen Group of Silicon Valley

Creating Opportunities for Sustainability and Clean Technologies

## **AGENDA:**

**12:30 pm: FREE LUNCH & COFFEE** - Provided by [Kurt J. Lesker Company](#) and [UC Components](#)

**1:00 pm Introduction and Welcome**

**1:05 pm *Selection of Battery Chemistry and Charging Algorithm for IOT Devices***, [Naoki Matsumura](#), Intel Corp.

**1:40 pm *Lithium-ion battery and beyond lithium-ion battery for transportation/grid storage applications***,  
[Gao Liu](#), Lawrence Berkeley National Laboratory

**2:15 pm *Triboelectric Nanogenerator for Next Generation Mechanical Energy Harvesting***, [Myeong-Lok Seol](#), NASA Ames Research Center

**2:50 pm Closing remarks**

**3:00 pm Meeting adjourn**





**EcoGreen Group** of Silicon Valley  
Creating Opportunities for Sustainability and Clean Technologies

## Stanford Energy Seminar

Austin Sendek:

### **Building a better battery with machine learning**

January 8, 2018 - 4:30pm to 5:20pm

NVIDIA Auditorium, Jen-Hsun Huang Engineering Center

<https://energy.stanford.edu/energy-seminar/upcoming-energy-seminars>



# EcoGreen Group of Silicon Valley

Creating Opportunities for Sustainability and Clean Technologies





**EcoGreen Group** of Silicon Valley  
Creating Opportunities for Sustainability and Clean Technologies

## **Introducing: The GeoVerde Solar Metal Roofing Solution**

**Richard Tsuei , GeoVerde**

***Richard Tsuei*** was trained as an interdisciplinary artist specializing in still and mobile imagery and worked as a 3D designer in San Francisco before moving to Hong Kong as the design manager for watch brand Nautica and Timberland where he was responsible for the overall design directions and material sourcing. He worked with manufacturers in Asia and cultivated relationships that helped him specialize in sourcing, business development, and the designing of various green products including bio-plastics, sustainable alternative paper products, and LED lighting. Richard is the founder of GeoVerde.