



AMELIA AMON

Solar Designer & Energy Consultant

Amelia Amon is a solar designer with an aesthetic approach to integrating sustainable energy and resiliency into our built environment. Her design studio, Alt. Technica, specializes in solar products and installations, including off-grid, remote sensing, architectural, and emergency elements such as smart city communication, solar trackers, awnings, dark-sky compliant solar LED lights, street furniture, battery chargers, energy system components, and solar refrigeration. Educational solar interpretive exhibits are featured in numerous science museums and environmental centers. Policy work includes work with renewable energy advocacy organizations.

EDUCATION

Bachelor of Science, Industrial Design
University of Bridgeport

PROFESSIONAL AFFILIATIONS

American Solar Energy Society
Northeast Sustainable Energy Association
Industrial Designers Society of America

FACULTY POSITIONS

Pratt Institute Industrial Design
Faculty

University of Bridgeport
Industrial Design
Lecturer & Guest Critic

Parsons School of Design
Lecturer & Guest Critic

University of Michigan
Penny Stamps Lecture

EXPERIENCE

SolStreet Solar Benches: PV powered LED back-lighting, charging, remote sensing, community & emergency messaging by digital signage

Lower East Side Ecology Center: Recycling and adaptation of Solspherica solar tracker into an urban solar device-charger.

Solar One: Solar streetlights, based on super-efficient photovoltaic cells, specialized lighting controller, and advanced technology LED fixtures.

EXPERIENCE

Sustainable Development Fund: Interactive exhibits & interpretive graphics for public buildings, environmental centers, & schools in the Philadelphia area, with a stake-holder charrette.

NY SunWorks: Comparison of watts produced by solar trackers, wind turbines, & bio-diesel used by the educational hydroponic greenhouse on the Science Barge in NYC

New York State Energy Research and Development Authority (NYSERDA): Controller for outdoor landscape & off-grid applications.

International Brotherhood of Electrical Workers (IBEW Local 269): 10kW array of 6 photovoltaic trackers, sculptural bridge, LED lighting, & landscaping, Trenton, NJ.

Liberty Science Center, NJ: Solspherica, with Wendy Brawer, Modern World Design: 1 kW solar interactive exhibit with tracker, compass floor, & Theremin.

Cooper-Hewitt, National Design Museum of the Smithsonian Institution: Solar Fountain with integrated curved PV panels, sculpted basin, LED lights.

Ben & Jerry's: Solar Vendor Carts with lightweight PV modules, vacuum insulation & DC refrigeration system.

William McDonough Architects: Collaborative projects

AWARDS

Distinguished Alumni, University of Bridgeport, 2015

Distinguished Service, Northeast Sustainability Assoc. 2014

Innovative Product Award, LightFair 2005

SolarScapes Design Competition winner with Wendy Brawer

SPEAKING ENGAGEMENTS

ASES: Life on Solar Farms June 2020
Street & Area Lighting Conference 2019
Building Energy NYC (NESEA) Conference Co-Chair, October 2014

Building Energy (NESEA): "the Buckminster Fuller Challenge" 2015, "Sensing Resiliency" 2013, "Evolving Beauty" 2012, "Animist Design" 2011, "Beautility; revitalizing no-place" 2010, "Cosmos of Beauty" 2009, "Energy Enlivens" 2008, "Aesthetics of Energy" 2007, "Sustainable Delight" 2006, "Vivaria: vessels for life" 2005, "Energy & Aesthetics" 2004

American Solar Energy Society, "Lightening Solar: the Ephemeralization of Energy Production," 2009, "Aesthetics: Ignore at our Peril" 2003

PUBLICATIONS

"Women in Green: Voices of Sustainable Design", Kira Gould & Lance Hosey, Ecotone Publishing, 2007