

2015 Global Leadership & Sustainable Challenge:

SUBJECT MATTER EXPERTS:

Scott Schultz
Advanced Solar Products

Business Development Director for a solar energy design company based in New Jersey, and has been involved in the solar industry for over ten years. His environmental roots go back over thirty years as a co-founder for Long Island's "Save our Bays" which was instrumental in building the first Tertiary Water Treatment Plant in New York State. Trained by the Center for Sustainable Energy in New York, Scott has been designing and installing Solar PV Systems in the New York and New Jersey area for over a decade.

Serpil Guran, Ph.D.
EcoComplex

As the Director of Rutgers' EcoComplex, Dr. Guran's responsibilities include management of operations, programs, business incubator and facilities, as well as providing vision and leadership in establishing the EcoComplex as a nationally recognized center for the commercialization of

environmental and alternative energy technologies. Additionally, Dr. Guran serves as liaison to the regional environmental and alternative energy business communities, government agencies, and related organizations.

Shah Dabiri
Picatinny Arsenal STEM Program- ARDEC

Engineer, inventor and technology manager for ARDEC STEM Program. ARDEC's mission is to provide the future workforce needed in our Department of Defense Laboratories and to contribute to a technologically proficient society.

Jonathan Cloud
Institute for Sustainable Enterprise, Fairleigh Dickinson University

Jonathan's expertise and interests include energy and environmental technologies, community financing mechanisms, local food systems, and renewable energy systems. Jonathan ran a solar design and construction firm pioneering green building techniques, urban agriculture, and other areas of sustainability, in both Canada and the U.S. Jonathan Cloud is founder of the Sustainable Business Accelerator and serves on the boards of several nonprofits.

Jack Leffler
Randolph High School

Teacher and lead on Solar PV design and implementation for the school.

Advance Solar Products

One of the largest solar integrators on the East Coast, Advanced Solar Products has installed over 40 megawatts of ground and roof-mounted PV systems ranging in size from under 10 kilowatts to over 14 megawatts. As leaders in the development of renewable energy policy and promoting “green” (LEED) construction, the principals of Advanced Solar Products have been instrumental in moving the solar industry forward in New Jersey.

EcoComplex – Rutgers’s Univrsity

A state-of-the-art research and demonstration greenhouse is part of the EcoComplex facility. The greenhouse consists of a 3000 square foot nursery, a 46,000 square foot production house and a 10,000 square foot pole barn (headhouse). The energy needs of the facility are provided through the utilization of landfill gas from the adjacent landfill.

The Rutgers University EcoComplex, is the state's clean energy and environmental research, outreach and business incubation center. It serves as a university-based resource hub and offers industry, academia and government access to applied research capabilities, unique facilities, business and technical expertise, and incubation services. The resources at the EcoComplex facilitate the Commercialization of new technologies and business concepts that address pressing energy and environmental issues facing New Jersey and the nation.

Picatunny Arsenal – ARDEC Outreach

U.S. Army Armament Research, Development and Engineering Center (ARDEC) provides free outreach assistance for students, teachers, and school systems with the intent to increase the number of students selecting STEM careers.

Institute for Sustainable Enterprise (ISE)

ISE educates current and future leaders of business, government, nonprofit, and educational institutions about managing sustainably by focusing on products, processes, and services that add value to the organizations and are beneficial to people and the planet.

Randolph High School (RHS)

Randolph High School is a four-year comprehensive public high school serving students in grades nine through twelve from Randolph, in Morris County, New Jersey, operating as part of the Randolph Township Schools. RHS science students have the opportunity to intensely study technology and engineering through the elective program. The two programs of study, *Pre-Engineering Design* and *Architectural Engineering Design*, provide students with a strong foundation in these areas.