

## **Thomas C. Forrester**

Thomas C. Forrester is an electronics engineer, small systems integrator, educator, executive, and entrepreneur. He has over twenty-five years experience in electronics engineering, computer science, aerospace and military systems design, manufacturing, education, consulting, and management.

### **Engineer**

Mr. Forrester's accomplishments as an engineer, designer, and small systems integrator include the successful co-development of more than thirty electronic, optical, photovoltaic, data acquisition and communication, energy-production and management, solar energy simulation, remote sensing, thermal management, distributed computing, and security systems created for a wide variety of government organizations, including the Defense Advanced Research Projects Agency (DARPA), Homeland Security Advanced Research Projects Agency (HSARPA), the United States Department of Energy (DOE), National Institute of Standards and Technology (NIST), the United States Army, Air Force, Navy, and Coast Guard, and the National Aeronautics and Space Administration (NASA), amongst others.

### **Educator**

Thomas earned his California Teaching Credential in the subject area of Electronics at the University of California, Los Angeles in 1989 and over the last 18 years has taught a wide variety of courses and classes as an adjunct professor at Cerritos College and Los Angeles Southwest College, as a lecturer at the University of California, Los Angeles extension and as an instructor for the Los Angeles County Office of Education in subjects ranging from robotics and computer programming to laboratory instrumentation, electronic engineering, computer-assisted design/drafting (CADD), educational technology, and computer repair.

### **Alternative Energy Activities**

Currently, Mr. Forrester is a co-founder and Partner of SUNRGI, LLC, which is developing a solar energy system based on Xtreme Concentration Photovoltaics™ (XCPV™). SUNRGI has multiple patent applications on file and is projecting the generation of electricity from concentrated sunlight at a wholesale cost of 5 cents/kWh, which is competitive with the cost of generating electricity from fossil fuels.

Previously, Mr. Forrester was the Founder and President of SolarRoofing.com, which provided consulting services to residential rooftop photovoltaic module manufacturers from 1999 to 2003.

Mr. Forrester was also the executive producer of "Free Electricity from the Sun", a four-part educational cable television series which aired from time-to-time on Adelphia Cable from 2001 through 2006.

## **Inventor**

Mr. Forrester holds four granted United States patents in the fields of optical instrumentation and sensing, electrical connectors intended for harsh environments, autonomous security systems and X-Ray inspection. He also has eight U.S. and International and patents pending, including one for a roll-to-roll mass-production process for the fabrication of optical films and another for efficiently coupling light between two optical elements.

## **Previous Activities**

Mr. Forrester has previously founded, co-founded, operated, managed and advised more than a dozen companies, corporations, and non-profit organizations. He is a member of SPIE—The International Society for Optical Engineering, has 14 publications in peer-reviewed engineering and scientific journals and conference proceedings, holds two U.S. Federal Communications Commission (FCC) Licenses, several Information Technology industry certifications, and a California public school Teaching Credential.