DEVELOP SKILLS FOR A JOB IN SOLAR

Earn a Digital Badge in Introductory Solar Analysis and Due Diligence

In this course, you will learn about solar power by following the path of a photon from the sun, through the Earth’s atmosphere, into a solar power system where it’s transformed into electricity and then consumed on the grid.

This course will give you an overview of the major components of a solar power system, regulatory incentives, financing and provide a primer on energy forecasting and economic modeling.

Guest speakers will share what it’s like to work in solar.

MEET THE EXPERT

JON PREVITALI has worked with renewable energy and Internet technologies for over twenty years.

As a senior principal engineer for VDE Americas, a wholly-owned subsidiary of VDE, one of Europe’s largest technology organizations, Previtali provides engineering and commercial advisory services to ensure solar power projects are bankable and insurable.

Prior to joining VDE Americas, Previtali established a technical due diligence practice at a major bank that in 2021 had supported over $10 billion in financing for about 12% of the U.S.’s wind and solar capacity.

Widely regarded as a trusted subject matter expert, Previtali has helped promote and standardize many of the technical due diligence and risk mitigation strategies banks use to safeguard solar and energy storage project performance.

Jon holds engineering degrees from Stanford University and the University of Colorado, Boulder.

LEARNING MODULES INCLUDE:

THE SUN AND PHOTONS, EARTH’S ATMOSPHERE, ROTATION, AND WEATHER

PV THEORY, ELECTRONS, PV MODULES, DEGRADATION, MANUFACTURING AND TESTING

RACKING SYSTEMS, TRACKERS, PERS AND EORS

WIRING, COLLECTION SYSTEMS, FIRE PREVENTION

INVERTERS, TRANSFORMERS AND BATTERY ENERGY STORAGE SYSTEMS

METERS, THE GRID AND LOADS

SOLAR POLICY, O&M, ECONOMIC USEFUL LIFE AND FINANCING

COURSE INFORMATION

TITLE: Introduction to Solar Analysis and Due Diligence

DATES/TIMES: July 9 - August 13, 2024; Wednesdays from 7-9 PM

LOCATION: 100% Online via Zoom

COST: $240

REGISTER NOW: https://ucm.edu/2qBpjm

FOR MORE INFORMATION:
EMAIL: extension@ucmerced.edu

EXTENSION Professional and Continuing Education