



# ONLINE ACADEMIC PROGRAMS FOR RENEWABLE ENERGY

Its time has come.

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# About Me

Started the formal “Training Program” at the NC Solar Center.

Moved to Zanzibar, Tanzania. Launched a DE graduate certificate program in renewable energy with NCSU.



In 2015, while teaching undergrad special courses, I co-wrote a white paper with CNR to offer graduate credit program in renewable energy.



# Graduate Certificate in

A photograph showing two men in white shirts and hard hats examining a large array of blue solar panels. One man is pointing at a panel while they both look at a clipboard. The text "GNC STATE UNIVERSITY" is overlaid across the middle of the image.

GNC STATE UNIVERSITY

## Renewable Energy Assessment

## and Development

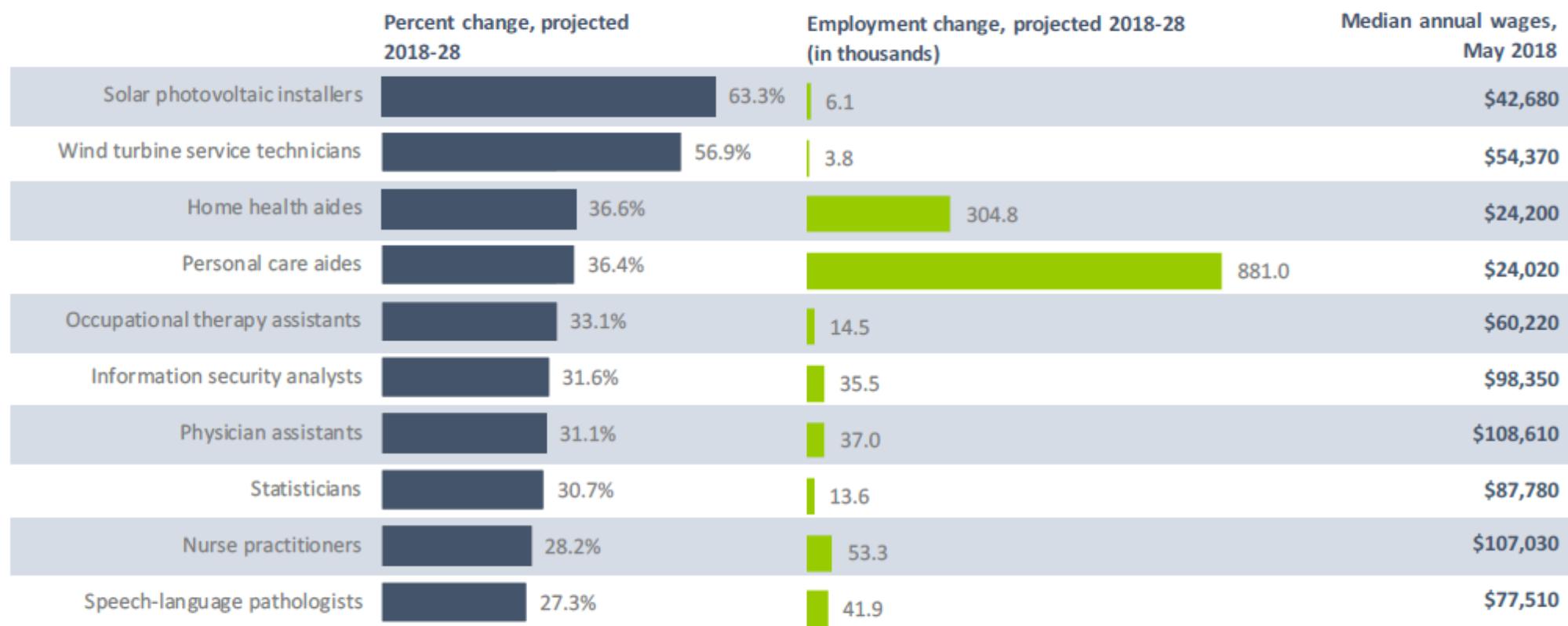


Let's take a look at some of the trends...



# Fastest Growing...

Chart 1. Ten fastest growing occupations, projected 2018-28



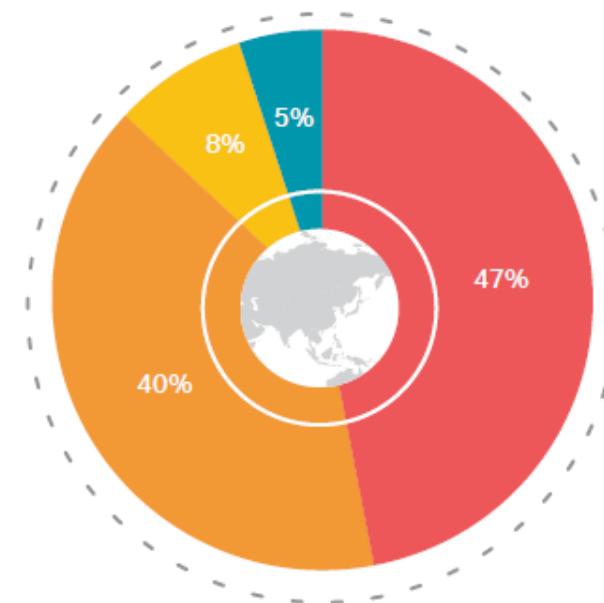
Source: Bureau of Labor Statistics, Employment Projections – 2018-2028, Sept. 2019



# A Desired Industry

**47%** of Power Sector professionals  
would consider a **move to**  
**renewables** in the next three years

IF YOU WOULD CONSIDER SWITCHING SECTORS,  
WHICH SECTOR WOULD YOU BE MOST INTERESTED  
IN SWITCHING TO?



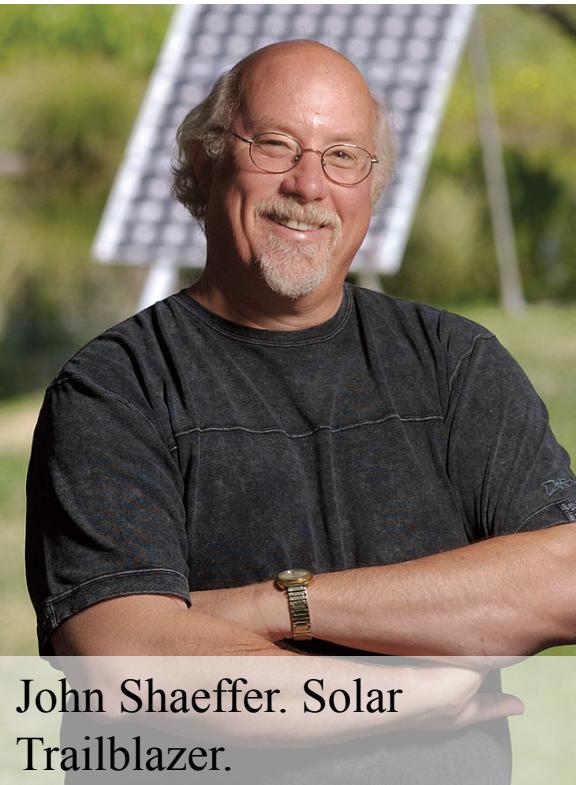
● Nuclear  
● Oil and gas

● Petrochemicals  
● Renewables



# Profile of the Renewable Energy Worker: Before

Environmental. Technical. Hands-on. Entrepreneurial. We got down and dirty.



John Shaeffer. Solar Trailblazer.

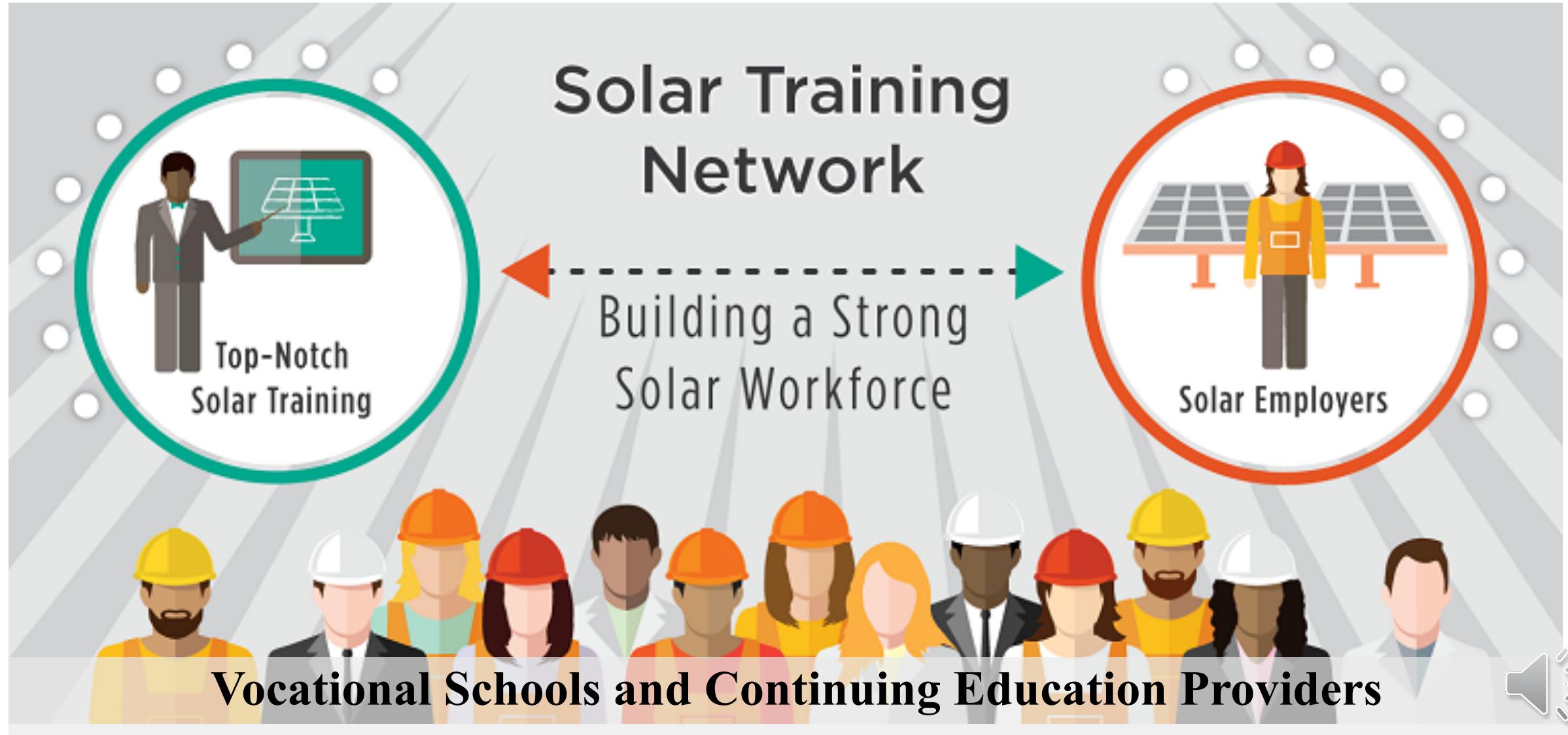


Southern Energy Management's Founders,  
Bob and Maria Kingery.

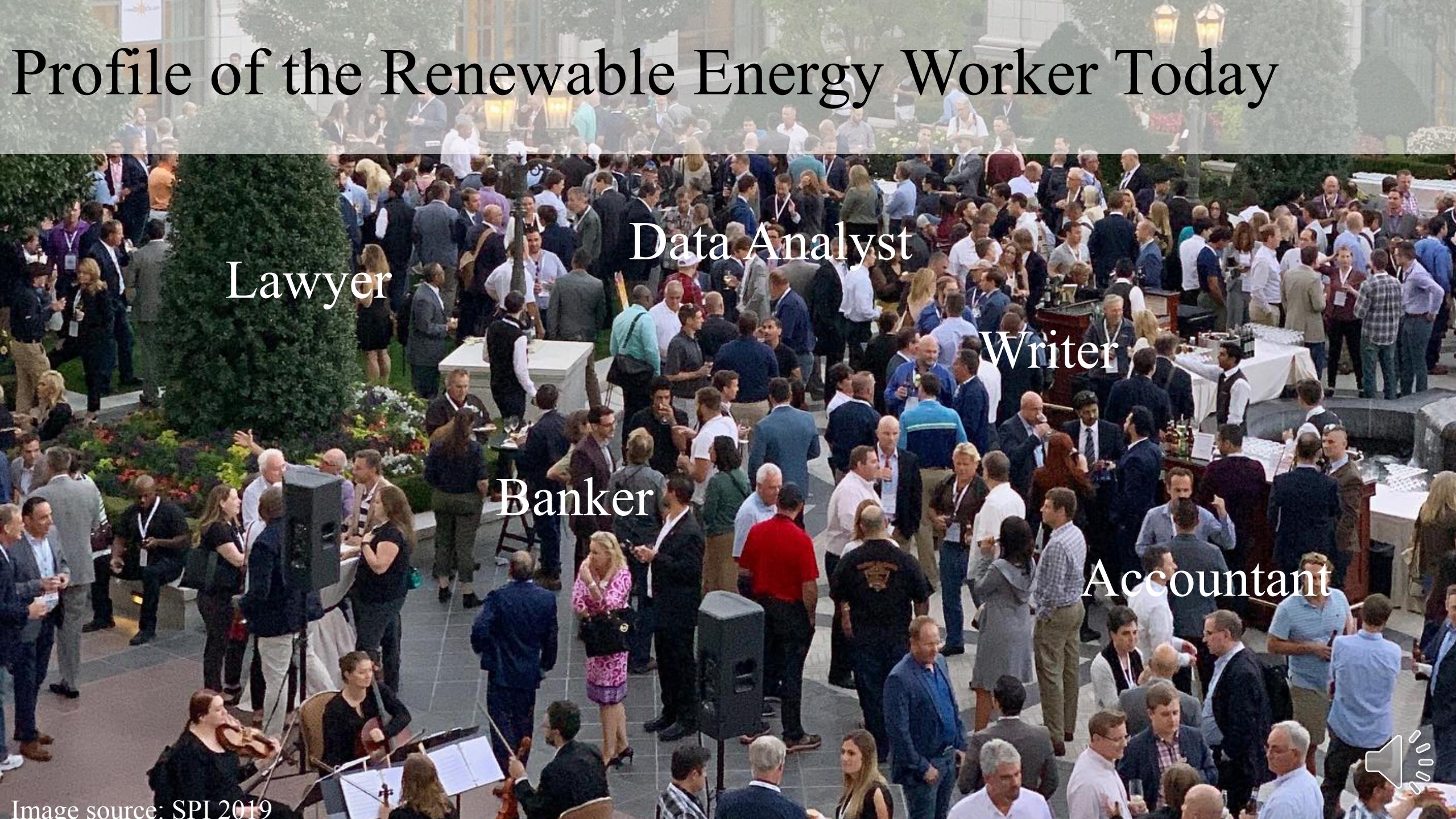


Weeklong PV workshop in 2004 with mostly  
tinkerers and entrepreneurs.

# How did Industry Meet the Skills Needed



# Profile of the Renewable Energy Worker Today

A wide-angle photograph of a large outdoor social gathering, likely a networking event or conference. The scene is filled with many people in professional attire (suits, dresses) engaged in conversations. In the foreground, two women are playing violins. The background shows a building with classical architecture and trees. The overall atmosphere is professional and social.

The image serves as a visual metaphor for the diverse backgrounds and skills of today's renewable energy workforce.

Lawyer

Data Analyst

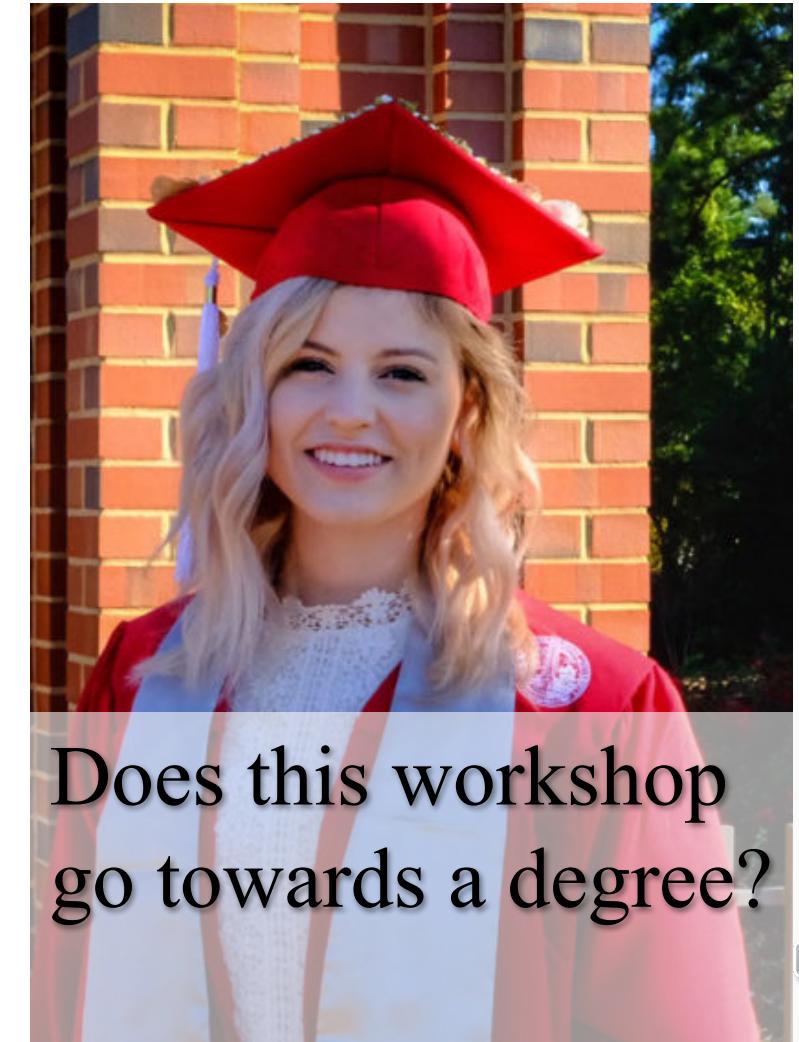
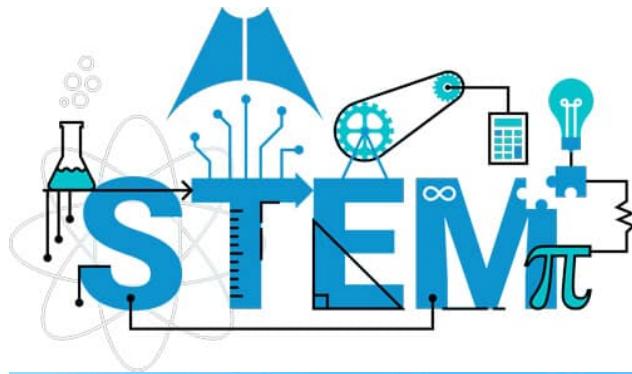
Writer

Banker

Accountant



# How do we meet the new need for Training?



Does this workshop  
go towards a degree?

A wide-angle photograph of a solar farm. Numerous dark blue solar panels are arranged in long rows, stretching across the frame. They are set against a bright, clear blue sky. In the background, there are green trees and a few buildings, suggesting a rural or semi-rural setting.

It's time for:

Online

Short Programs

Academic credit

Renewable Energy Topics

