Welcome and Introduction to the Workshop

11th PVPMC PV Performance Modeling and Monitoring Workshop
Weihai, China
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Joshua Stein
Boris Farnung
Bruce Wang

Fu Blessings Luck Lu Wealth Prosperity Shou Longevity

PVPerformance
MODELING COLLABORATIVE

Exceptional service in the national interest

Sandia National Laboratories

PV Performance Modeling Collaborative (PVPMC)

- Founded in 2010 to foster better collaboration in PV Performance Modeling

- **Three Pillars of Communication and Collaboration**

  1. **Website** (*PVPMC.sandia.gov*) (>10,000 visits per month)
     - Detailed Modeling Steps (~150 technical webpages)
     - Past workshop presentations (over 300 available for download)
     - Document library, datasets, blog, events, …

  2. **Open Source Software**
     - **PVLIB** - Modeling function libraries for Matlab and Python (60+ functions), BSD 3-clause licenses
     - **Wavelet Variability Model** – Matlab code for calculating geographic smoothing of PV plant power.
     - **GridPV** – Matlab code for analysis of distribution systems with PV

  3. **Workshops**
     - Planning is underway for the 12th PVPMC Workshop, May 14-16 in Albuquerque, New Mexico USA

Welcome to the 11ᵗʰ PVPMC Workshop!

- Aim is to bring together international experts on PV performance modeling and monitoring to discuss new trends and present research results to the community.
    - Focus on technical issues. Information transfer between researchers and industry.
    - Identify gaps and opportunities for improving models (and technology).
    - Learn about PV experience in China and identify modeling and monitoring opportunities.
    - Support discussion, networking, and partnerships.

2017 Workshop in Albuquerque

2017 Workshop in Weihai, China

Previous and Future Workshops

1.	2010	Albuquerque, NM
2.	2013	Santa Clara, CA
3.	2014	Santa Clara, CA
4.	2015	Cologne, Germany
5.	2016	Santa Clara, CA
6.	2016	Freiburg, Germany
7.	2017	Lugano, Switzerland
8.	2017	Albuquerque, NM
9.	2017	Weihai, China
10.	2018	Albuquerque, NM
11.	**2018**	**Weihai, China**
12.	*2019*	*Albuquerque, NM*

Topics for this workshop

Day 1

- Introductions and Keynote speeches
- Solar Resource and Forecasting
- Lunch
- Modeling Methods and Case Studies (Part 1)
- Networking Break
- Modeling Methods and Case Studies (Part 2)
- Conference Dinner

Day 2

- PV Monitoring and O&M
- PV Reliability Research and Modeling
- Lunch
- Factory Tour participants leave for train station

Protocols

- **Speakers**
  - Time limits will be enforced!
  - Ensure presentations are uploaded well before your scheduled session.
  - We would like to be able to post/share presentation materials after the workshop. If there are restrictions, please notify organizers.

- **Audience**
  - Silence cell phones
  - Return from breaks on time
  - Ask questions
  - Participate in discussion sessions
  - Meet colleagues and network during breaks

请将你的手机调到静音模式。

Thank You and Enjoy the Workshop!

2017 Weihai, China