

Call for Abstracts for the 2026 PVP MC Workshop in Albuquerque, New Mexico (May 12-14, 2026)

Co-organized by Sandia National Laboratories and GroundWork Renewables, this **three-day** workshop will examine the technical aspects of PV module and system performance, including performance modeling, monitoring, and O&M analytics. This year's workshop will cover topics from solar resource assessment, module characterization, PV performance modeling, performance monitoring, failure diagnostics, and prognostics.

Logistical information and the registration link will be forthcoming.

We are soliciting technical presentation proposals from the community. If you have modeling approaches, new data, or other interesting results to share please consider submitting a short abstract describing what you would like to present at the workshop. The following is a list of possible sessions. Final sessions will depend on topics submitted.

- Solar resource assessment including uncertainty quantification and its effect on expected yield and financing models
- PV performance modeling improvements including losses, tracking, benchmarks, validation
- Emerging PV performance modeling including tandem configurations
- Curtailment detection, classification, quantification, impact
- PV + BESS modeling including DC- and AC-coupled modeling frameworks, expected yield modeling for hybrids, hybrid plant KPIs, analysis
- KPIs best practices, capacity and performance testing of power plants
- Performance monitoring and O&M analytics including diagnostics and prognostics, linking field O&M findings with performance models
- Module characterization methods including degradation attribution separating performance loss rates from module and BOS effects and closing the loop from operations to design
- Power plant underperformance with an emphasis on approach and differentiation of model bias and actual underperformance
- Digitalization, interoperability and data infrastructures of PV systems and asset portfolios including success stories from existing software integrations

- Applications of machine learning or artificial intelligence in a PV project's pre-construction and operations phases
- Software or specific tutorials, PV technical working group meetings. Submit your proposals.

Technical abstracts (Max 300 words + 1 figure) should include **title, author list, organization name**, and a **brief technical description** of the contribution here: <https://forms.gle/UxV1Zjbog97Nvhij7>. Note that all presentations (including from sponsors) must be technically focused (no sales pitches).

Abstracts are due: **February 1, 2026**

Student Scholarships and Travel Grants

Students enrolled in an accredited college or university degree program (undergraduate or graduate) may be eligible for free registration and a travel grant that would help to offset travel and lodging costs. To be considered, the student must submit a **technical abstract** for a presentation as well as a **research statement (Max 1-page)** that includes the following information:

- Name and contact information of student
- School name and name and contact information of academic advisor or department administrator.
- Expected degree and graduation date
- Brief statement describing research interests and experience (submit with abstract as separate file)