IEA PVPS Task 13 Workshop at 2013 IEEE 39th Photovoltaic Specialists Conference (PVSC)

‘‘Lessons Learned from the Analytical Monitoring and Modeling of PV Systems’’

Day: *Sunday, June 16, 2013*
Time: **13:00 – 17:00**
Site: **To be announced**
Location: **Tampa, Florida**

Optimizing the performance of PV plants is increasingly important as the PV industry becomes more competitive. This workshop will present work being performed as part of the International Energy Agency (IEA) Photovoltaic Power Systems Task 13 on Performance and Reliability of PV Systems. In particular, the workshop will focus on lessons learned from measuring performance from fielded PV systems and methods for analyzing and modeling system performance. Presenters will describe analysis methods and tools for use with PV monitoring data to identify system problems and better understand technology differences in diverse environments.

Programme Outline

13:00-13:20
Introduction to IEA PVPS Task 13
Dr. Nils Reich, Fraunhofer Institute for Solar Energy Systems ISE, Germany

13:20-13:50
An International Comparison of PV Annual Yield and Performance Ratio
Dr. Wilfried van Sark, Copernicus Institute of Sustainable Development, Utrecht University, Netherlands

13:50-14:20
PV Monitoring Data, User Stories, and Interpretation Guidelines
Achim Woyte, PhD, 3E sa, Brussels, Belgium

14:20-14:50
The PV Performance Modeling Collaborative
Joshua S Stein Ph.D, Sandia National Laboratories, USA

14:50-15:20
Diagnosing System Issues in Real Time
Mike Green, M.G. Lightning Electrical Engineering, Israel

Task 13: Ulrike Jahn & Cathy Zhou • Email: cathy.zhou@de.tuv.com
TÜV Rheinland Energie und Umwelt GmbH, Am Grauen Stein, 51105 Cologne, Germany

15:20-15:50
Networking break

15:50-16:20
An International Comparison of Thin-film Module Performance and the Relevance of Low Irradiance, Spectral and Temperature Effects
Markus Schweiger, TÜV Rheinland, Germany

17:00
Q&A, Workshop conclusion