PVQAT
International PV Quality Assurance Task Force

Announcing our upcoming webinar of the PVQAT Soiling Group:

Particle Size Distributions for PV Soiling Assessment

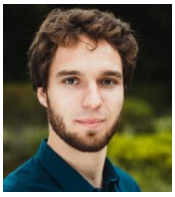
16 July 2019 14:00 UTC 7:00 San Jose 8:00 Denver 16:00 Paris 18:00 Dubai 19:30 Mumbai 22:00 Shanghai

For the time in other locations, consult this event world clock

In this webinar, we will hear from several researchers investigating distributions of soiling particle size and compare their measurement and analysis methods. Combining these perspectives might shed some light on field contamination affecting the PV industry. The webinar will be a panel discussion, with a brief initial perspective from each researcher.

Panelists:

Stefan Grob *works as an application consultant for KSL staubtechnik gmbh, Lauingen, Germany. KSL produces and develops technical dusts for different industries. Stefan mainly focuses on chemical composition and particle size distribution of dusts for environmental simulation. He is member of the VDI/DIN standards committee on air pollution control, where he has been working on PV soiling topics. After earning Bachelor and Master degrees in materials science from the University of Augsburg, Germany, he finished his PhD in Physics in 2016, researching the effect of morphology on small molecule organic solar cells.*



Klemens Ilse *works as a scientific researcher at the Fraunhofer Center for Silicon-Photovoltaics, Halle, Germany and at the Anhalt University of Applied Sciences. He earned Bachelor and Master Degrees of Science in Physics from Martin Luther University Halle-Wittenberg. During his studies, he specialized in photovoltaics and material characterization at the micro- and nano-scale as well as thin film deposition methods. In 2015, he started his Ph.D. with topical focus on dust deposition and soiling mechanisms on PV modules. His research interest includes adhesion mechanisms of dust particles, development of effective Anti-Soiling-Coatings as well as lab modelling of desert environments.*

David C. Miller *earned a bachelor's degree from the University of Minnesota and master's degree and doctoral degrees from the University of Colorado-Boulder. David specializes in the reliability of PV packaging materials. His current activities include research on: abrasion and contamination of anti-reflective/anti-soiling coatings; UV weathering of encapsulant and backsheets materials; and the dielectric breakdown of packaging materials. David is a project leader and contributor for industry standards related to characterization and durability of PV packaging materials, including the IEC 62788-series within the IEC TC 82 Working Group 2 (PV modules). David also hosts groups within the international PVQAT, including Task Group 5 of, focusing on UV weathering of encapsulant materials; PVQAT Task Group 12-3, focusing on the abrasion of incident surfaces.*

Greg P. Smestad *received his Ph.D. in Physical Chemistry from the Swiss Federal Institute of Technology (EPFL) on the topic of the thermodynamic limits of quantum solar energy conversion. He received his Masters degree in Materials Science and Engineering from Stanford University, and his B. S. in Biology from the University of Santa Clara in California. He works in the area of optoelectronics and materials related to solar energy conversion and is the owner of the consulting firm, Sol Ideas Technology Development in San José, California. From 1990 to 2016, he served as Associate Editor for Solar Energy Materials and Solar Cells.*

Meeting Details: PVQAT TG12 webinar: Access Code 605-616-101

Meeting link: https://www.gotomeet.me/PVQAT_TG12_webinars You can also dial in using your phone:

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