



**ISES**

International  
Solar Energy Society

# Webinar

Updates on solar forecasting and other solar  
resource work of IEA PVPS Task 16

**27 August 2020**  
**2 PM GMT/UTC**



# International Solar Energy Society

- ✓ The International Solar Energy Society, ISES, is a non-profit UN-accredited membership NGO.
- ✓ Our vision: 100% renewable energy for all, used efficiently and wisely.
- ✓ ISES represents a diverse membership of academics, researchers, energy practitioners, consultants, students, businesses and advocates.
- ✓ ISES works together with like-minded organizations from countries all around the world to advance the renewable energy transformation.

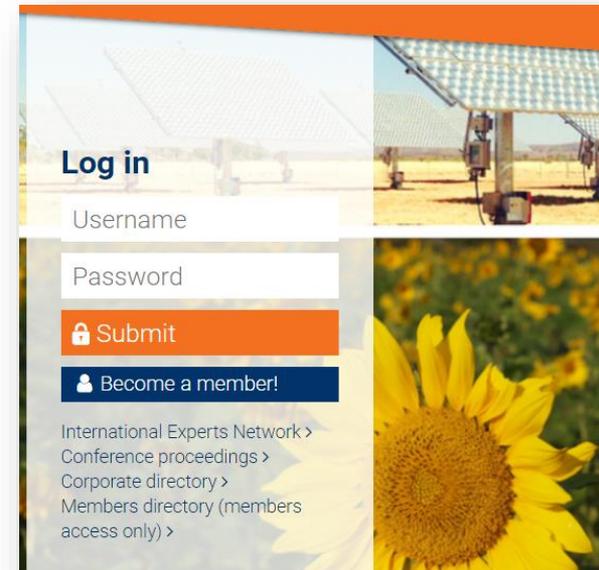


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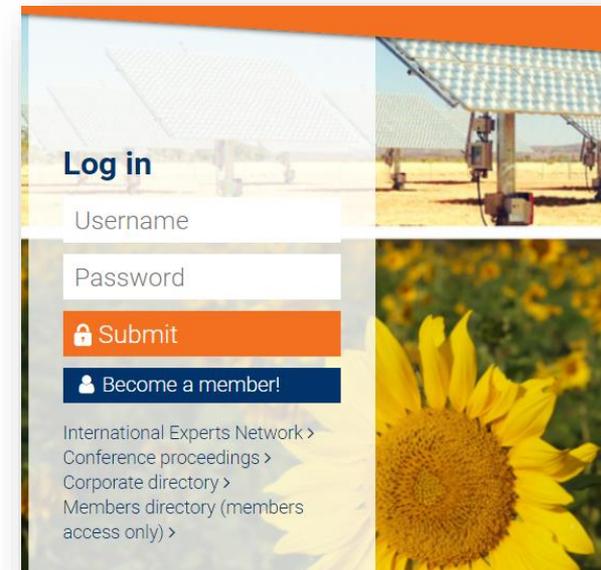


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# Questions and answers

Please type in your questions and we will try to answer as many questions as possible **during the webinar**.

Feel free to send in your questions any time throughout the webinar.

**Keep your questions short and precise** and write who your question is directed to, so that the moderator can assign directly to the corresponding panelist.



## Moderator – David Renné



The webinar will be moderated by Dave Renné. Dave served as President of the International Solar Energy Society from 2010 - 2019. From 1991 until his retirement in 2012, Dr. Renné managed the solar resource assessment activities at the U.S. National Renewable Energy Laboratory (NREL). In 2012 he formed the consultancy Dave Renne Renewables. He is dedicated to the concept of urgently achieving 100% renewable energy to meet all of our end use energy requirements as the best solution to the climate crisis.



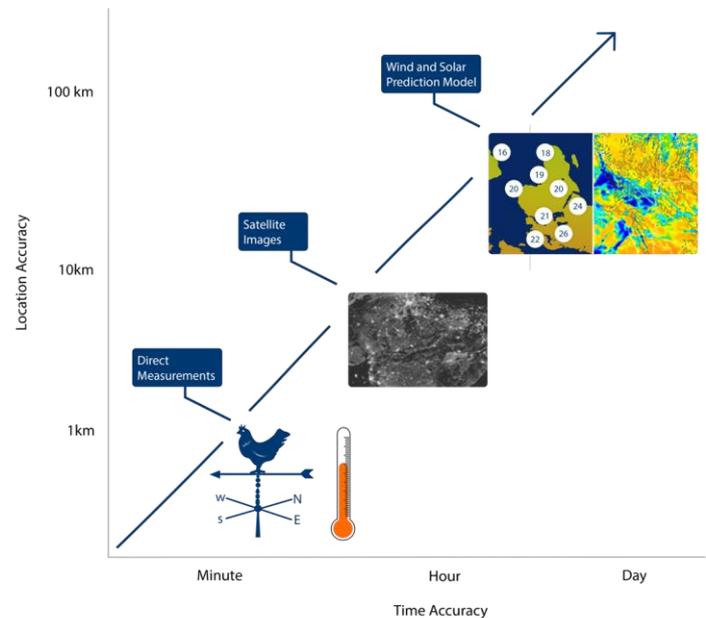
# ISES and the Global Solar Council

- ✓ **Global Solar Council** - The Voice of the World's Solar Energy Industry:  
[www.globalsolarcouncil.org](http://www.globalsolarcouncil.org)
- ✓ **GSC Mission** - To promote the rapid adoption of solar energy globally, through market development, partnerships and education.
- ✓ **ISES** is a Founding Member of the GSC, a Member of the Board of Directors, and chairs the GSC Technical Committee
- ✓ This webinar is also presented on behalf of the Global Solar Council's Technical Committee



# ISES Infographics

- ✓ First installment: „Dispelling the Myths – Renewables in the Grid“ (2018); second installment “Solar Thermal Heat for Industry Processes” (2019)
- ✓ Address common misunderstandings about renewables, such as: *“Wind and solar are too intermittent for reliable grid operations and cannot be predicted”*
- ✓ Download all infographics here: <https://www.ises.org/what-we-do/dispelling-myths>



## Speaker – Jan Remund



Having studied geography at ETH Zurich, Jan is the Head of Business of the Unit for Solar Energy and Climatology at Meteotest since 1993. He also operates as an expert at IEA SHC Task 46 and PVPS Task 14 of the International Energy Agency (IEA) as well as being project leader of Meteonorm. Jan is the Operating Agent of IEA PVPS Task 16 since 2017.



## Speaker – Lennard Visser



Lennard Visser is a PhD candidate at the Copernicus Institute of Sustainable Development, Utrecht University in the Netherlands. In 2015 he obtained his BSc degree Future Planet Studies at the University of Amsterdam, and in 2017 his MSc degree Energy Science at Utrecht University. In his PhD, Lennard investigates the short-term variability of solar power generation and models for short-term solar power forecasting. In particular, he focuses on the development of models that forecast the power output of single or aggregated PV systems on a regional level with a day-ahead or sub hourly time horizon. Lennard will present on “Benchmark analysis of day-ahead solar power forecasting techniques using weather predictions”.



## Speaker – Dennis van der Meer



Dennis van der Meer received his Bachelor's degree in Mechanical Engineering and a M.Sc. degree in Sustainable Energy Technology from Delft University of Technology, Netherlands, in 2013 and 2016, respectively. Since July 2016, he has been a Ph.D. candidate with the Built Environment and Energy Systems Group, Uppsala University, Sweden, where he is developing probabilistic forecasting methods for solar power and electricity usage. His research interests include probabilistic and multivariate forecasting, and optimization. Dennis will present on “Space-time trajectories from probabilistic solar forecasts”.



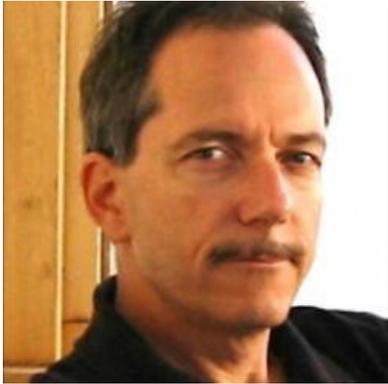
## Speaker – Patrick Keelin



Patrick is the lead product manager for SolarAnywhere at Clean Power Research. In this role, Patrick focuses on how the solar industry and utilities can make better energy-related decisions with scalable weather data and intelligence solutions. Patrick brings a decade of experience working in the renewable energy industry, first in small hydropower project development, and then utility scale solar hardware product development. Patrick's expertise includes decision analysis and resource allocation strategy and the title of his presentation is "SolarAnywhere – Operational data services and applications". Patrick earned a B.S. in Product Design from Stanford University.



## Speaker – Richard Perez



Richard Perez leads solar energy research at University at Albany's Atmospheric Sciences Research Center. He sits on the Advisory Board of the George Washington University's Solar Institute, and has served multiple terms on the board of the American Solar Energy Society and as associate editor of Solar Energy Journal. He has produced over 250 journal articles, book chapters and conference papers. He holds US patents on energy storage, and load management using photovoltaics.



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# Webinar Recording

- The recording as well as the presentations will be available on the ISES homepage a few days after the webinar.
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# Euro Sun 2020

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Please complete the survey which will be sent to you by e-mail. Your feedback is valuable to help us improve these events.

