

The quest for big solar

Richard Perez

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Biography

Prof. Richard Perez directs solar energy research at the 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 two US patents on energy storage and methods of load management using photovoltaics. He has received several international awards including a Certificate for Outstanding Research from the USDOE, the ASES highest award: the Charles Greeley Abbot Award; and the First International Building and Daylight Award from the Villum Kann Rasmussen Fonden (Velux Foundation, Copenhagen Denmark).

His noted contributions to the field of solar energy include:

- The development of models and methodologies that have been incorporated in standard solar energy and daylighting calculation practice and embedded in many engineering and architectural software products throughout the world.
- Identifying the capability of photovoltaics to meet the peak demand of large cities in the north-eastern United States.
- His participation to the development of the Value of Solar (VOS) and solar Load Shaping tariffs concepts.

ISES is very pleased to present the 2015 Farrington Daniels award to Prof. Richard Perez. The Farrington Daniels Award is given for outstanding intellectual leadership in the field of Solar Energy. This prestigious award will be handed over to Prof. Perez at a special awards ceremony during the ISES Solar World Congress 2015, in Daegu, Korea.