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Environmental Variables Affecting the Performance of Large-Scale Solar Photovoltaic Power Plants

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First Solar

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Climate-Sustainability Lecture Series



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Environmental Variables Affecting the Performance of Large-Scale Solar Photovoltaic Power Plants

Dr. Parikhit Sinha, Director of Sustainable Development,
Environmental at First Solar



Wednesday, March 23, 2016, 12:10 - 1:00 p.m.
Mailman-Hollywood Second Floor Auditorium

The environmental sciences have been critical to identifying global environmental challenges such as climate change, but they have been less extensively utilized in deploying solutions to those challenges, such as solar energy. Environmental variables such as temperature, humidity, aerosols, clouds, soiling, and snowfall have important effects on solar PV performance, and these effects can vary regionally. The current status of large-scale solar PV deployment will be discussed along with the role of environmental variables on PV performance.



Presented by Halmos College of Natural Sciences and Oceanography, Department of Chemistry and Physics, the Climate-Sustainability Lecture Series aims to increase the understanding of the science, technology, and policies relating to climate change and sustainable development. For more information, contact Song Gao, Ph.D., Associate Professor at the college, at sg1002@nova.edu.