

Ben-Gurion University of the Negev
Blaustein Institutes for Desert Research
The Swiss Institute for Dryland Environmental and Energy Research
Alexandre Yersin Department of Solar Energy and Environmental Physics

Title:

Power Generation Potential for Florida by Mechanical and Solar Means

Speaker:

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Abstract

Using in-situ observations, augmented by other data and model simulations, we address the potential for electrical power generation for Florida by harnessing the energy sources of wind, ocean currents, waves and sunlight. We identify what nature offers, we use specifications from either commercially available devices, or first principles to convert nature's bounty to power generation estimates, and we make extrapolations on what these may mean in a practical sense. It is concluded that such power generation from alternative, natural energy sources may provide a supplement to traditional energy sources, but not a replacement for these.

Date & Location:

**Tuesday, November 21st, 2017, 11:00
Lecture room, Physics Building (ground floor)**

