

Seminario: Sistemas de Energía Renovable (Renewable Energy Systems)

24 de Junio de 2010 - 17 a 19 hrs

Objetivos: Entender la necesidad de un cambio hacia el uso de sistemas de energía renovable y comprender en forma detallada los principales sistemas, como funcionan, sus ventajas y desventajas.

PROGRAMA :

1) Why laboratories need to become self sustaining from an energy standpoint.
2) Introductory Ideas: Exponential Growth, Population growth, Peak Petroleum Food and Water Security, Problems with Fossil fuel use
3) Understanding exponential growth.
4) The World runs on Petroleum.
5) What is Peak Oil? When will it occur?
6) Passive and active solar systems.
7) Solar Photovoltaic Systems.
8) Wind Generator systems.
9) Geothermal, High Temperature Solar, Biomass and Microhydro Systems.

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- Instructor in Environmental Science for the University of Maryland
- Laboratory Director for Challenge Environmental of Fayetteville, Arkansas
- Environmental Science Instructor at Penn State University (Berks Campus).
- Senior Assistant Research Scientist Warner Lambert Company.
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El seminario será dictado en idioma inglés

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