Summer 7-9-2012

Solar Light Bulb

David G. Guzman
Department of Electrical & Computer Engineering, University of Texas at El Paso, dgguzman@miners.utep.edu

Virgilio Gonzalez
Department of Electrical and Computer Engineering, The University of Texas at El Paso, vgonzalez3@utep.edu

Follow this and additional works at: http://digitalcommons.utep.edu/couri_abstracts_sum12
Funding Source:
The Campus Office of Undergraduate Research Initiatives, The United States Department of Agriculture

Recommended Citation
http://digitalcommons.utep.edu/couri_abstracts_sum12/43

This Article is brought to you for free and open access by the COURI Symposium Abstracts at DigitalCommons@UTEP. It has been accepted for inclusion in COURI Symposium Abstracts, Summer 2012 by an authorized administrator of DigitalCommons@UTEP. For more information, please contact lweber@utep.edu.
Solar Light Bulb

David G. Guzman and Virgilio Gonzalez

The Solar Lighting project is a work driven towards building a low-cost and environmental-friendly solar bulb and to understanding the science behind its behavior. A solar light bulb refers to a device capable of absorbing and transferring solar energy to light up an enclosed area. By using the physical properties of fluids and light it is possible to manipulate solar light waves to illuminate an enclosed structure. Moreover, this project attempts to utilize recycled materials that reduce the cost of such device, helping not only the planet but also the costumer’s pocket. The ultimate goal for this project is to scientifically demonstrate the effectiveness of the solar light bulb for certain applications, potentially leading to a more extensive usage for such device.