A Special Issue on
“Nanostructured Photovoltaic Devices”

Call for Papers

Recently there has been a great, resurgent interest in renewable energy technology due to concerns regarding the complexity of issues and challenges relating to energy and environmental science. To meet the grand challenge in energy issue, the nanomaterials are stimulating an important practical application in photovoltaics (PV). The aim of this special issue of *Journal of Nanoengineering and Nanomanufacturing* is to reveal nanotechnology for some potential applications and the motivation for using nanostructured materials in solar energy conversion and to give an overview on current research topics in PV field. Papers on both experimental and theoretical studies are solicited.

Contributions as original research papers, communications, and comprehensive reviews to this special issue are invited. Specific topics for this special issue include, but are not limited to, the following research topics:

- Physics of Solar cell at the Nanoscale
- Nanowire Solar Cells
- Quantum Dot/Quantum Well Solar Cells
- Nanostructured Polymer Solar Cells
- Dye-Sensitized Solar Cells
- Plasmonics for Photovoltaic Applications
- Intermediate Band Solar Cells Using Nanotechnology
- Nanostructures in Thin Film Solar Cells
- Nanostructured ETA-Solar Cells
- Nanostructures for Efficient Light Harvesting
- Nanostructured Photoelectrochemical Cells
- Hot Carrier Cells
- Thermophotovoltaic Cells
- Organic/inorganic hybrid solar cells
Guest Editors

This special issue will be edited by the following Guest Editors:

Principle Guest Editor

Prof. Jr-Hau (J.H.) He
Institute of Photonics and Optoelectronics & Department of Electrical Engineering,
National Taiwan University, Taiwan.
E-mail: jhhe@cc.ee.ntu.edu.tw

Co-Guest Editors

Prof. Jiming Bao
Department of Electrical & Computer Engineering,
University of Houston, TA, USA.
E-mail: jbao@uh.edu

Prof. Rene Lopez
Department of Physics and Astronomy,
University of North Carolina at Chapel Hill, NC, USA.
E-mail: rln@physics.unc.edu

Dr. Monica Lira-Cantu
Centre d'Investigacio en Nanociencia i Nanotecnologia (CIN2, CSIC)
Escola Tecnica Superior d'Enginyeria (ETSE)
Bellaterra (Barcelona), Spain.
E-mail: monica.lira@cin2.es

Manuscript Submission

Manuscripts must be prepared according to Journal’s guidelines, available at
http://www.aspbs.com/jnan. Submit your manuscripts in MS word or PDF format
directly to one of the Guest Editors. All papers submitted to this issue will be subject to
a strict peer review process to ensure high quality articles. Please make sure in the
cover letter that the submitted paper has not been published previously and is
not currently submitted for review to any other journal and will not be submitted
elsewhere before a decision is made by this journal. Please notify well in advance
for your intention to submit a research paper.

Important Dates

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