Solar Energy to Electric Conversion

The Department of Electrical Engineering, Pennsylvania State University, invites nominations and applications for a tenure-track faculty position in the engineering of solar nanomaterials. Exceptional candidates at all levels are encouraged to apply. Preferred candidates for the position must hold a doctoral degree in Electrical Engineering or related discipline with appropriate experience. The applicant must have the ability to teach effectively at both the undergraduate and graduate levels and to establish and maintain a strong, externally-funded research program.

The ideal applicant should have demonstrated expertise in photovoltaic device design, advanced materials synthesis, modeling, and/or characterization to strengthen campus-wide interdisciplinary efforts on conversion of solar energy to electricity. Research programs of interest include: nanoscale materials synthesis and characterization for photovoltaic/solar/thermoelectric cells, computational tools to describe the interaction of semiconducting materials with electromagnetic energy, and photonic materials. More specifically, we seek individuals with expertise in the following areas: third generation photovoltaics, organic and flexible photovoltaics, light-matter interactions at the nanoscale, and nanophotonics.

Applications for the position and questions about the search process may be addressed by e-mail to the chair of the search committee, Prof. Craig Grimes (cgrimes@engr.psu.edu).

To apply, please e-mail to this address a single PDF file containing: 1) curriculum vitae; 2) research plan statement, teaching interests and philosophy, and career objectives; and 3) the names, e-mail addresses, and telephone numbers of at least three professional references.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.