

**POST- DOCTORAL RESEARCH ASSOCIATE
FLEXIBLE SUPERCAPACITOR INTEGRATED STORAGE
THE CENTER FOR AUTONOMOUS SOLAR POWER (CASP)
BINGHAMTON UNIVERSITY**

Binghamton University is seeking applications for the full-time position of a Post Doctoral Research Associate at the Center for Autonomous Solar Power (CASP) with funding administered through the Research Foundation of the State University of New York at Binghamton. The CASP at Binghamton University conducts research and development in the area of thin film solar cells over flexible platforms, efficient electricity storage devices and integrated solar power systems focusing on various nano-enabled technologies.

Responsibilities: The Research Associate will be a key member of the CASP team in the thrust area research group on Solar Electricity Storage. The Research Associate will be primarily responsible for conducting research on the development of solid state supercapacitors on flexible platform for the Center's focus in flexible autonomous solar electricity systems. The Research Associate will be required to carryout advanced research on solid state ion conductors, conducting polymer nanocomposites and battery like electrodes for supercapacitors. The Research Associate will develop fabricate and characterize electrochemical and battery like hybrid-supercapacitors and work on integration with solar cells. The successful candidates will interface with the Center for Advanced Microelectronics Manufacturing (CAMP), a national R&D center at Binghamton University for flexible electronics to develop process tools for roll-to-roll fabrication of supercapacitor devices. The Research Associate will actively participate in graduate research and are expected to train and mentor graduate students and research assistants. It is expected that the Research Associate will promote research collaborations with academic and industrial partners, support efforts to obtain external funding and will accept additional responsibilities from time to time as they arise and assigned by the Center's Director.

Qualifications: A Ph.D. degree in materials science, engineering, or chemistry and research experience in academia is required. Experience in industry is of added advantage. The candidate should have experience of research and experimental skills in electrochemical techniques for synthesis and characterization of conducting polymers, solid state ionics and supercapacitors. The candidate must have in-depth knowledge of the subject and a record of publication in the related field. The candidate should have necessary communication ability to interface with faculty, staff and students.

Compensation: Salary will be commensurate with the successful applicant's qualifications and experience.

Applications: Qualified individuals should submit a resume and a letter of application including a discussion of experiences and accomplishments relevant to the position. A list of three professional references with contact information must be included. Applications accepted until position is filled.

Search Committee
Attn: Marilyn Angelo
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