Post-Doctoral Associate/Research Scientist Position in Advanced Materials at Rice University

Position Description:
A postdoctoral associate/research scientist position in the area of advanced synthesis and characterization of materials and nanocomposites is available at Rice University. The successful candidates will work in a highly inter-disciplinary and stimulating environment.

Job Duties and Responsibilities:
- Perform advanced synthesis and characterization of nanocomposites, ceramics, stimuli-responsive/functional materials, and nanomaterials (e.g. 2D materials)
- Use, set up, and provide data analysis from a variety of materials testing techniques such as electron microscopies, spectroscopies, and mechanical and electrical testings.

Minimum REQUIRED Knowledge, Skills, and Abilities*:
- PhD degree in a technical field such as materials science, chemistry, engineering, etc.
- Strong communication and analytical and problem solving abilities.
- Hands-on and experimental skills.
- Self-starter with passion and drive to create innovative products.
- A list of ALL your peer-reviewed publications and patents must be in your resume

* Candidates with the following skills are highly encouraged to apply: i) 1-3 years of work experience in materials research, synthesis, product design, or other technical fields, or ii) experience in chemical vapor deposition (CVD) of 2D materials, or iii) testing and characterization in extreme conditions.

How to apply: Please send a CV, three representative publications, and contact information of three references to rouzbeh@rice.edu. Evaluation of candidates will begin immediately and will continue until the position is filled. For any questions, please contact Dr. Rouzbeh Shahsavari:

Contact information:
Prof. Rouzbeh Shahsavari
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About Rice University (www.rice.edu):
Rice University is located in Houston and is one of the leading teaching and research universities of the United States. In materials research, Rice University is a preeminent international institute and a leader in nanoscience. Times Higher Education (THE), a UK publication for professionals in education and research, has mentioned Rice No. 1 in the world in materials science research, based on the number of citations per paper between 1999 and 2009. Rice is ranked the nation's 17th-best overall university by *U.S. News & World Report*.

About Houston:
Houston is the 4th largest city in US and is considered the energy capital of the world particularly because of its great investments in technology and research in oil and natural gas, energy-efficient infrastructures, renewable energy sources, wind, and solar energy. Houston is a highly multicultural city with the second-largest concentration of arts and theaters in the US.

About the Departments:
The Department of Materials Science and NanoEngineering, and the Department of Civil and Environmental Engineering at Rice University focus on research areas that involve collaborative efforts with professors and students from numerous institutes across and outside the campus. This freedom to pursue a truly interdisciplinary research-based education has benefited the graduate students, post-doctoral associates and research scientists intellectually and professionally. As the world embraces ever more complex technological approaches, such collaborative environments are essential to meet the challenge of the future with a strong system-based approach and interdisciplinary exposure for the researchers of the future.