

Join the Nanostructured Energy Systems Lab at University of Florida!



PhD Positions in Fluid Dynamics and Heat Transfer

We are excited to announce two open PhD positions in the field of Mechanical Engineering, focusing on fluid mechanics and heat transfer. These positions are part of the groundbreaking ARPA-E COOLERCHIPS project, funded by the US Department of Energy (DoE), aiming to revolutionize cooling technologies for next-generation Data Centers. Join us in shaping the future of cooling technologies and decarbonizing Data Centers.

Students will have an opportunity to contribute to a high-impact, internationally recognized research project and work in a dynamic, supportive, and innovative research environment. They will have access to state-of-the-art laboratories and facilities and an opportunity to collaborate with a team of experts in the field of heat transfer.

We Are Looking For:

- Highly motivated and enthusiastic individuals with a passion for experimental research.
- Candidates holding a master's degree in mechanical engineering or a closely related field, with a strong background in heat transfer and fluid mechanics.
- Individuals capable of designing and building benchtop thermal and fluid mechanics experiments.
- Excellent analytical, technical, and problem-solving skills.
- Preferably candidates with demonstrated skills in experimental phase change heat transfer.

About us:

The Nanostructured Energy Systems Lab (NESLab), directed by **Prof. Saeed Moghaddam**, is at the forefront of energy research, specializing in energy transport from the nanoscale to the macro scale. Our lab is renowned for its cutting-edge research, dedication to solving complex engineering problems, and its contribution to understanding and advancing next-generation energy technologies. Under the leadership of Prof. Saeed Moghaddam, our team is committed to excellence and innovation in research.

We pride ourselves on a collaborative research environment that fosters creativity, critical thinking, and groundbreaking discoveries. With access to advanced experimental setups and computational tools, our lab offers an unparalleled opportunity for PhD students to engage in high-impact projects.

Apply Now!

For more information and to apply, please contact **Suhas Tamvada** (stamvada@ufl.edu) with your resume/CV.