

A Postdoctoral Position in Experimental Thermal/Fluids Sciences

(Date of post: 09/01/2024)

A Post-Doctoral Research Associate Position in the field of experimental fluid dynamics and heat transfer is available immediately at [Advanced Flow Diagnostics and Experimental Aerodynamics Laboratory](#) of Department of Aerospace Engineering, Iowa State University.

The position will involve conducting fundamental studies related to aircraft icing physics and anti-/de-icing technology, wind turbine aerodynamics, bio-inspired aerodynamics for unmanned-air-vehicle (UAV) applications and machine learning for multiphase flow modeling and predictions. The job responsibility will also include assisting the lab director in managing the lab daily operation, supervising graduate and undergraduate students, developing research proposals, and preparing technical reports and papers. The appointment is for one year, and renewable for additional years subject to performance.

Please send a cover letter addressing how you meet following requirements:

- Experimental thermal-fluid sciences background with strong publication record in one or more of the following areas: experimental fluid dynamics and heat transfer; multiphase flows; low-Reynolds-number airfoil aerodynamics; active/passive flow control.
- Hands-on experiences of using laser-based flow diagnostic techniques such as LDV, PIV and LIF are highly desirable.
- Strong communication and language skills, as evidenced by publications and a cover letter are required.
- A current C.V. with the minimum following information/sections is required: educational background, degree dates, GPA with scale, name of advisor; relevant work experience; honors and awards; journal and conference publications lists.
- Names and contact information of at least two professional references.

International applications will be considered.

Please send your application package to:

Dr. Hui HU

Anson Marston Distinguished Professor in Engineering

Martin C. Jischke Professor of Aerospace Engineering

Director, [Advanced Flow Diagnostics and Experimental Aerodynamics Laboratory](#)

Director, [Aircraft Icing Physics and Anti-/De-icing Technology Laboratory](#)

Department of Aerospace Engineering, Iowa State University

537 Bissell Road, Ames, Iowa 50011-1096, USA

Tel: 515-294-0094 (O) / Fax: 515-294-3262 (O)

Email: huhui@iastate.edu

<https://www.aere.iastate.edu/~huhui/>