



ADVANCED COOLING TECHNOLOGIES

The Thermal Management Experts | www.1-ACT.com

2023 Summer Internship Opportunity for Plasma Research

Advanced Cooling Technologies, Inc. (ACT) is seeking one summer intern in 2023. This position will be funded by the Diversity Supplement Program at the Department of Energy (DOE). Women, individuals from nationally underrepresented groups, individuals with a commitment to diversifying the scientific and engineering workforce, and/or individuals meeting the SBA definition of socially and economically disadvantaged students are encouraged to apply as candidate interns. US person is required, and the final hiring is upon the approval of DOE.

ACT is a prime manufacturer and solution provider for advanced thermal management systems in the aerospace and defense industry. In addition, we have consistently invested in plasma technology in applications including carbon conversion, material treatments, and combustion enhancement.

In this 10-week 2023 summer internship program, the intern is expected to work on an on-going research project funded by the DOE to develop the nonthermal plasma-assisted methane reforming technology.

The major work may include:

- Performing plasma-assisted reforming tests and/or developing plasma reaction models, depending on the background of the candidate
- Plasma reactor optimizations
- Catalyst development and testing
- Data analysis and reporting

Minimum qualification:

- US Person (Permanent Resident or Citizen)
- Meet the above diversity requirements of this Program
- Current Ph.D. student in plasma science and technology

To apply, please contact Dr. Yue Xiao (yue.xiao@1-act.com) with a CV by 11/01/2022. Please quote “2023 Summer Internship” in the email. Please feel free to ask any questions as well. We will finish the pre-selection and apply to DOE by 12/05/2022 for potential approval. You will hear back from DOE by 02/2023.

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