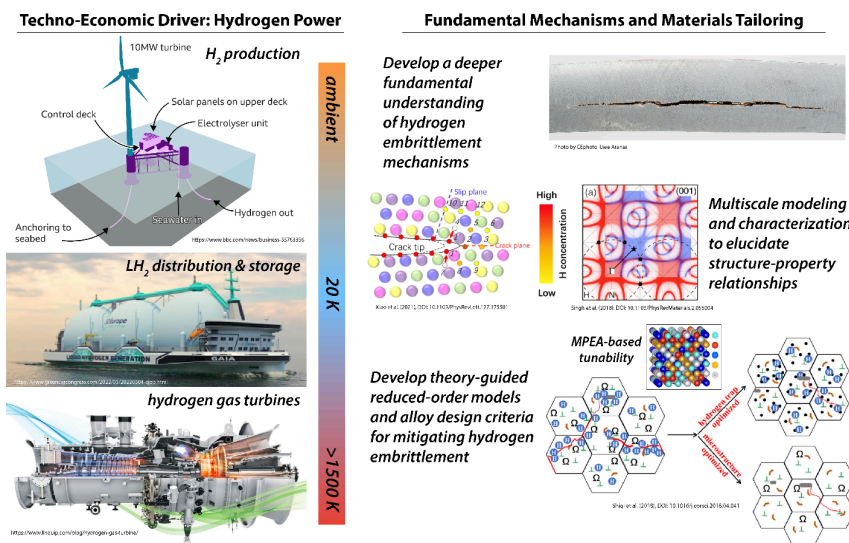


HI-POWER (Hydrogen Innovation – Preparing and Obtaining a Workforce in Energy Research)

PROGRAM OVERVIEW: Two unique summer opportunities are available for undergraduate researchers to contribute to the Clean/Green Hydrogen revolution in the fight against climate change. Both opportunities focus on developing hydrogen-tolerant materials that can withstand mechanical and tribological loads. Students will receive mentorship from a National Lab, industry, and university scientists. Key research goals include studying hydrogen interactions with alloys, material strength and wear in hydrogen environments, and modeling hydrogen-material interactions. Applicants with



mechanical engineering, materials science, chemical engineering, physics, and chemistry backgrounds are welcome. **The program promotes diversity, so we encourage underrepresented minorities, women, and those who embrace diversity and inclusion to apply.** No prior research or hydrogen experience required. Deadline is 3/25/2024 or until filled.

1) HIPOWER-SULI at Ames National Laboratory, Ames, Iowa

FAMU, NCA&T, and Ames Laboratory are partnering to offer summer research internships through the DOE's Science Undergraduate Laboratory Internships (SULI) program. Students interested in materials for hydrogen applications may apply at <https://science.osti.gov/wdts/suli/How-to-Apply> and contact [Nicholas Argibay](#) and [Brandon Krick](#) for more info.

2) HIPOWER REU FAMU-FSU College of Engineering, Tallahassee, Florida

This program offers paid summer research experiences at Ames National Laboratory and FAMU-FSU College of Engineering. The focus is on Hydrogen-Tolerant materials subjected to mechanical and tribological loads. Various University and National Lab mentors offer experiences in experiments, modeling, and synthesis. Students from mechanical engineering, materials science, chemical engineering, physics, chemistry, and similar fields are welcome. Contact [Brandon Krick](#) or [Carl Moore](#) for more information.

Apply online here: <https://forms.gle/fpciSMJs2hNKLNJb8>.