Positions are open for PhD Students in Surface Science and Interface Chemistry in the group of Dr. Kathryn A. Perrine in the Department of Chemistry at Michigan Technological University, Houghton, MI.

The research studies will involve experimental physical chemistry, analytical chemistry, and materials science, impacting surface catalysis and environmental science. The research topics will be focused on surface chemical reactions on iron, metals, and oxide surfaces at the gas/solid and liquid/solid interface using surface analytical spectroscopy and microscopy.

Students will learn practical skills and analysis in applying IRRAS vibrational spectroscopy, X-ray photoelectron spectroscopy, atomic force microscopy, and other surface science techniques. More information about Dr. Perrine's research can be found at: http://chem.sites.mtu.edu/perrine/
The ideal applicants should demonstrate the following experience and interests:

- BSc in Chemistry or related discipline
- Excellence and dedication in completion of a research project
- Some background and/or strong motivation for research in surface science, interface chemistry, and spectroscopy

Students are funded by the Department of Chemistry through Graduate Teaching Assistants for up to 5 years with satisfactory progress to degree. It is expected they will work with and teach undergraduate students. International applicants should demonstrate English proficiency via TOEFL or IELTS tests scores. Fill out the free Michigan Tech Graduate School application at https://www.mtu.edu/gradschool/prospective/apply-now/requirements/
Application procedures in the Department of Chemistry are found at http://www.mtu.edu/chemistry/graduate/program/

Michigan Technological University is an Equal Opportunity Educational Institution/ Equal Opportunity Employer, which includes providing equal opportunity for protected veterans and individuals with disabilities. **The preferable start date is January 2022**. The interested applicants should contact Dr. Perrine by e-mail at kaperrin@mtu.edu and send a current CV with a brief description of research interests and experience.