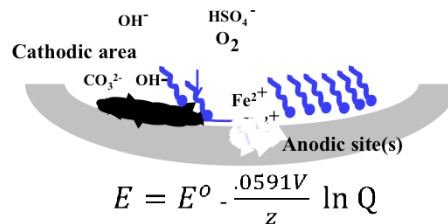
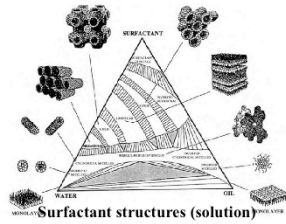


## Fundamental Study of surfactant behavior at the solid/liquid interface in corrosion inhibition

**Research Team:** Kevin Powers, Vijay Krishna,, Yakov Rabinovich, Megan Hahn, Eric Bidinger, Neha Saxena, Michael Powers and Brij Moudgil

**Overview:** Corrosion of various structural metals in oil and gas delivery pipelines, boilers, and other industrial equipment is a major maintenance and cost issue in many industries. Surfactant based corrosion inhibitor scan be improved and made more economical with a better understanding of the structural and interfacial properties that contribute to their effectiveness



**Technical Information:** The focus of this research project is to examine the fundamental surfactant structure at the interface leading to improved performance and improved cost effectiveness of surfactants and other additives used to inhibit corrosion in aggressive environments.

**Industrial Relevance:** BP, Shell, Eco Labs/Nalco, Cytec, SinMat. Mining & Chemical Industries