



# CHE-PETE SEMINAR SERIES

Andrew Sexton, Ph.D., P.E., is a chemical engineer with over 19 years of experience with advanced energy technologies. Some of his areas of expertise include process plant design, operation and troubleshooting, and the evaluation of new technologies and novel processes, including feasibility and economic analyses. Dr. Sexton is currently serving (or has recently served) as the Trimeric project and technical lead for multiple technology developers that have received funding via non-dilutive government grants and/or private capital investment. These projects include, but are not limited to, carbon capture technologies, carbon utilization for the production of value-added products, gasification from various feedstocks, wastewater treatment, and other advanced energy technologies.

Dr. Sexton has supported pilot and commercial scale CO<sub>2</sub> processing and injection projects from pre-FEED through commissioning and startup at locations in Australia, Iceland, China, Brazil, and multiple locations throughout the United States. And served as Unit Lead as part of the core engineering team for a polysilicon plant design and constructed in China.

Dr. Sexton has a B.S. and M.Eng. in Chemical Engineering from the University of Louisville, and a Ph.D. in Chemical Engineering from The University of Texas at Austin; he also conducted postdoctoral research at the Commonwealth Scientific and Industrial Research Organization (CSIRO) at the CSIRO Energy Centre in Newcastle, Australia.



ENGINEERING NORTH 450

MARCH 3 | 3-4PM

## ANDREW SEXTON, PH.D., P.E.,

Dr. Sexton's presentation will provide insight from the perspective of a practicing chemical engineer in the consulting industry. Trimeric Corporation is a process chemical engineering consulting and R&D organization that provides support to clients in conventional industries (oil and gas processing, oil refining, petrochemical production) in addition to more unique technology applications (biorefining, silicon refining) and novel technology concepts. Projects range in level of development from bench-scale, conceptual technologies to full-scale, commercially constructed facilities. Dr. Sexton's seminar will discuss applicability of chemical engineering curriculum in real-world applications, explain what differentiates process engineering consulting from employment at a larger EPC firm or an operating company, and provide specific project examples.