

COUNCIL ON TEACHING
Follow-Up Report for
Teaching in Higher Education Conference Award

Name: Beth Rundlett

Department/Unit: Chemical Engineering

Conference Attended: AIChE 2024 Annual Conference in San Diego

Date of Conference: Oct. 30th, 2024

Award Amount: \$1500

Briefly summarize how your attendance at the conference enhanced your professional development and allowed you to gain a better understanding of teaching in your discipline or trends in higher education in general.

Attending the conference enhanced my professional development by providing insights into the latest advancements in chemical engineering education, particularly in ethics, social responsibility, communication, and career readiness. I attended the teaching professional skills session, where I both presented and learned from other leading educators. I particularly enjoyed the talk on "An Engaging Course on Ethics, Professionalism, and Social Responsibility" and "Think like an Expert: an Engaging in-Class Activity for Sustainable Engineering Courses" which introduced effective teaching strategies that I plan to integrate into my classes. Presenting my work on ethics and communication allowed me to receive constructive feedback, further refining my teaching approach. Furthermore, I made several networking connections, which allowed me to exchange ideas on innovative teaching methodologies and best practices. Additionally, I attended a "faculty professional development workshop" which was excellent. Overall, this experience will positively impact my teaching and professional growth.

How have you been able to share what you learned about teaching with your department, the University of Iowa, and/or beyond?

I have had many discussions with my departmental colleagues about some of the practices I observed at the conference. Furthermore, I have shared what I learned and implemented in my laboratory class with a multi-university laboratory education virtual

community of practice, in which I am an active participant. Several of my colleagues from this group also attended the conference. In the two meetings following the conference, we discussed our observations and thoughts on the work presented with a larger group of about 6-12 professors from several universities. Laboratories are often where many of these non-technical skills are taught and fully utilized. Through this joint collaboration, we hope to promote teaching advancements that will improve chemical engineering education on a global scale.