

Advances in Engineering Education



2024: VOLUME 12 ISSUE 1

From the Editor

I am pleased to share the latest issue of Advances in Engineering Education and the first issue for 2024. This issue starts with a manuscript by Schauer, Pakala, and Bairakatova describing and assessing the implementation of virtual office hours offered in undergraduate energy-related mechanical engineering courses before the COVID-19 pandemic. The author team found that students appreciated the virtual office hours and that they were more accommodated than in a traditional office hour environment. In a second manuscript by García-Ramíre, the author showed the implementation and iterations of multiple active learning techniques in an online road geometric design course. Overall, the students gave the courses a high score for each active learning technique. The third manuscript by Ross et al. shows a model and evaluation framework for a large-scale professional development program to move faculty toward the use of active learning techniques. While there were only minor shifts in student achievements in the classroom, the results show the initiation of a sustainable community of new and continuing active learning practitioners. In the final manuscript of this issue Knaphus-Soran et al, offer a program description where they define the key elements of the Redshirt in Engineering Model, describe model adaptations and lessons learned through implementation and evaluation across the consortium, and suggest considerations for other institutions interested in implementing a Redshirt in Engineering program.

Additionally, we would like to thank the reviewers of the 2023 year. Who volunteered their time and brainpower.

First Name	Last Name	Reviewer Institution
Mayra	Artiles	Arizona State University
Amie	Baisley	University of Florida
John	Baker	University of Kentucky
Ronald	Barr	The University of Texas at Austin
SREYOSHI	BHADURI	McGraw-Hill Companies
Pamela	Bhatti	Georgia Institute of Technology College of Engineering
Jennifer	Brown	Montana State University
Kai Jun	Chew	Embry-Riddle Aeronautical University
Renee	Clark	University of Pittsburgh
Eric	Constans	Rose Hulman Institute of Technology
Toby	Cumberbatch	Cooper Union
Adrienne	Decker	University at Buffalo
Kurt	DeGoede	Elizabethtown College
Sam	Dickerson	University of Pittsburgh
Kirsten	Dodson	Lipscomb University

2024: VOLUME 12 ISSUE 1



First Name **Last Name Reviewer Institution** Edris Ebrahimzadeh Elizabeth Fisher Cornell University Furse Cynthia University of Utah Carol Geary Virginia Tech Laura Gelles The University of Texas at Dallas Robert Gerlick Eastern Washington University AJ Hamlin Michigan Technological University Keith Hjelmstad Arizona State University Virginia Polytechnic Institute and State University Natali Huggins Sarah Jayasekaran University of Florida Autar Kaw University of South Florida Cross Kelly Georgia Institute of Technology Jenny Lo Virginia Tech Robert Loweth Purdue University Mae Paul University of Calgary Schulich School of Engineering Robyn Justin Major Rowan University Janice Mejia Amy Moll Boise State University Joi-Lynn Mondisa Sean Moseley Rose-Hulman Institute of Technology James Newell Rowan University Nicole Pitterson Virginia Tech Madeline Polmear King's College London - Strand Campus Renata Revelo Alonso University of Illinois at Chicago Matthew Roberts Southern Utah University Florida Polytechnic University Edwar Romero-Ramirez Alcinia Sampaio Universidade de Lisboa Ann Saterbak Duke University Amena Shermadou Purdue University Larry Shuman University of Pittsburgh Tarunraj Singh University at Buffalo Karl Smith University of Minnesota, Twin Cities Roneisha Worthy Kennesaw State University Gary Wright University of Missouri Tyler Young The Ohio State University

2 2024: VOLUME 12 ISSUE 1