



From the Editor

I am pleased to present the latest issue of Advances in Engineering Education (AEE). This issue includes four manuscripts that address topics including new curriculums, teaching methods, and course designs. Breen et al., describe the development and evaluation of the “Ignite” program which employs the human-centered design process to advance social justice. Ignite fosters secondary school students’ ability to engineer viable solutions to pressing global issues outlined by the United Nations. Results suggest that the program increases students’ knowledge and awareness related to water contamination and increases self-efficacy. Burrus et al., report on the implementation of the Create-Rank-Complete (CRC) teaching method to the online context during the outbreak of the Covid-19 pandemic. Evaluation of the CRC teaching methods demonstrates a positive impact on participant’s overall course grades and knowledge acquisition and that participants who engaged with the CRC activities reported high enjoyment. Paige et al., discusses the impact of a hands-on geometric dimensioning and tolerancing active-learning intervention deployed in a mechanical engineering undergraduate class. The intervention assessment showed a significant impact on the students’ knowledgebase and their ability to perform identification and inspection tasks. Finally, Nutwell et al., describe the design and evaluation of an online continuing education program for working engineers. The authors describe their collaboration process in the design of the course and provide survey results which indicated that the course was a positive experience for participants and met their learning goals though many did not continue on to complete the certificate program.

AEE also thanks Nabila Akthar for her recent support with the website and preparing our online issues. Nabila has left ASEE to pursue other opportunities. In the interim, Rafael Gerena, Chief Marketing & Communications Officer for ASEE will be providing journal support.