Contents

Contributions in: Generative AI, PBL, Student Faculty Relations, Accreditation, Innovation, Curriculum Design, Sustainability, Identity, Simulation Games, Cultural Congruence, Gender and Racial Disparities, First-Year Students, COVID-19, Active Learning, Instructional Practices, Career Discussions, Teamwork, Learning Models, Curriculum Design, Capstone Courses, Chemical Engineering, Control Systems, Database Management

Editorial Ahmad Ibrahim	997
Harnessing Generative AI to Enhance Feedback Quality in Peer Evaluations within Project-Based Learning Contexts Susan Sajadi, Mark Huerta, Olivia Ryan and Katie Drinkwater	998–1012
Effect of ChatGPT on Undergraduates' Cognitive and Performance Skills of Database Management Learning Ali Suwayid Alqarni	1013–1023
Students as Partners to Enhance an Introductory Course on the Engineering Profession: A Case Study Lawrence R. Chen, Mahmoud Amin, Celina Belleville, Mia Bruno, Maria Gostraya, Toufic Jrab, Mathias Pacheco Lemina, Diana Rekkas and Arin Yaffe	1024–1035
Statistical Analysis of the Curricula of Accredited Chemical Engineering Undergraduate Programs in China: Observations and Insights	1036–1044
Zhenhua Yao, Qing Hu, Ruiquan Zhang and Maocong Hu	
Factors Precluding the Adoption of a Pedagogical Innovation: An Engineering Case Study Showcasing the Implementation of <i>Freeform</i> <i>Fredy R. Rodríguez-Mejía, Aldo A. Ferri, Edward J. Berger and Jeffrey F. Rhoads</i>	1045–1061
Enhancing Skills Transfer for First-year Engineering Students in Higher Education Tlotlollo Sidwell Hlalele	1062–1075
The Effects of Professional Identity, Empathy with Nature, and Consideration of Future Consequences on Sustainability Consciousness among Chinese Undergraduate Engineering Students Lingling Lu, Hidayah Mohd Fadzil, Peng Yen Liew, An Jie Lye, Quanwang Wang and Chan Choong Foong	1076–1089
Impact of Business Simulation Games on Skills of Engineering Undergraduates Tea Borozan, Milica Maričić and Dragan Bjelica	1090–1100
Precollege Mathematics and Engineering Learning Outcomes: Implications for Equitable Preparation, Recruitment, and Retention	1101–1113
Robert M. Capraro, Niyazi Erdogan, Luciana R. Barroso, Jamaal Young and Mary Margaret Capraro	
Cultural (In)Congruence: How Black Women Navigate Individual, Academic, and Societal Dimensions of Engineering Brooke Coley, Meseret F. Hailu, Prince K. Kwarase and Keti Tsotniashvili	1114–1128
Undergraduate Engineering Students' Understanding of Engineering Disciplines: An Empirical Study Sinan Onal and Ezra Temko	1129–1149
Measurement Model of Academic Mindsets for First-Year Engineering Students Breanna Graven, Patricia Ralston and Thomas Tretter	1150–1161
An International Overview of Teaching Control Systems During COVID-19 Pandemic José Luis Guzmán, Katarina Zakova, Ian Craig, Tore Hägglund, Daniel E. Rivera, Julio Normey-Rico, Paulo Moura-Oliveira, Liuping Wang, Atanas Serbezov, Takao Sato, and Antonio Visioli	1162–1180
Causes for the Asymmetric Adoption of Active Learning Methodologies in Engineering Education: A Rogers' Theory Perspective	1181–1192
Borja Bordel, Ramón Alcarria and Calimanut-Ionut Cira	
Organizational Learning in Adoption and Adaptation of Reformed Instructional Practices of Engineering Instructors: A Case Study	1193–1208
Hong H. Tran, Edward J. Berger, Fredy Rodriguez-Mejia and Anyerson Cuervo-Basurto	
Factors Influencing Career Decisions of High School Students in Japan: A Gender Perspective Yutaro Ohashi, May Kristine Jonson Carlon and Jeffrey Scott Cross	1209–1218

Teamwork Grade Individualization in Project-Based Learning Environments Lluc Canals Casals and Beatriz Amante García	1219–1228
Innovative Approach to Teaching Distributed Systems in Education 4.0 Safet Purkovic, Irfan Fetahovic, Edis Mekic, Gokmen Katipoglu and Semih Utku	1229–1244
Trends Affecting Curriculum Reform in Engineering Education: A Scoping Review Isabel Hilliger, Julian "Iñaki" Goñi and Catalina Cortázar	1245–1261
Assessing Industry-Critical Skill Development in Engineering Technology Capstone Courses Rustin Webster and Matthew Turner	1262–1272
Guide for Authors	1273