

Contents

Contributions in: Sustainable Development, Educational Trust, Academic Competition, Outreach Curricula, PBL, Creativity, STEM, Student Success, Flipped Learning, Internship, Women Undergraduates, Diverse Groups, Motivation, Self-Assessment, Blended Learning, Service Learning, Interactive Teaching, Systems Thinking, Abstract Thinking, Self-Efficacy, Sustainability, Quality Assurance, Entrepreneurship

Ahmad Ibrahim	855	Editorial
Xuteng Zhang, Wenzhe Tang, Colin F. Duffield, Lihai Zhang, Felix Kin Peng Hui, Yang Liu and Yanling Kang	856–873	A Competency Framework for Construction Engineering Graduates: An Industry Perspective
Yujing Wang, Haimin Cao, Feng Xu and Jing Wang	874–883	The Influence of Educational Trust on the Willingness of Engineering Undergraduates to Participate in Academic Competition
Holly M. Matusovich, Andrew L. Gillen, Veronica Van Montfrans, Jacob R. Grohs, Tawni Paradise, Cheryl Carrico, Holly Lesko and Karen Gilbert	884–899	Student Outcomes from the Collective Design and Delivery of Culturally Relevant Engineering Outreach Curricula in Rural and Appalachian Middle Schools
Juebei Chen, Anette Kolmos, Aida Olivia Pereira de Carvalho Guerra and Chunfang Zhou	900–914	Academic Staff's Motivation, Outcomes and Challenges in a Pedagogical Training Programme of PBL
André Rabello-Mestre and Felipe Otondo	915–924	Creative Dispositions: Teaching for Creativity in Engineering Education
Vasu Kumar, Michael D. Johnson, Bimal Nepal and Gourav Ghoshal	925–938	Impact of a High Value Manufacturing Research and Enrichment Experience on Self-Efficacy of High School STEM Teachers
Julianna Gesun, Robert Gammon-Pitman, Edward Berger, Allison Godwin and John Mark Froiland	939–959	Developing a Consensus Model of Engineering Thriving Using a Delphi Process
Nam Ju Kim, Jun H. Park, Sang-Eun Lee and Dimitris Timpilis	960–974	Impact of Prior Knowledge, Learning Style, and Problem Nature on Students Performance in a Flipped Engineering Mathematics Class
Megan Emmons and Anthony A. Maciejewski	975–986	Emulating a Career Experience At-Scale so Students Can Make Informed Decisions About Electrical Engineering Early in Their Academic Career
Nenad Stefanovic, Zarko Bogicevic and Danijela Milosevic	987–998	A Digital Platform for Managing Virtual Internships
Soonhee Hwang	999–1012	The Role of Psychological Well-Being in Women Undergraduate Students' Engineering Self-Efficacy and Major Satisfaction
Noemi V. Mendoza Diaz, Cijy Elizabeth Sunny, Trinidad Sotomayor and Jacques Richard	1013–1023	Time to Graduate for Latinos/Hispanics in Comparison to Other Diverse Student Groups: A Multi-Institutional/Multilevel MIDFIELD Study
Ariyo Samson Oluwatimilehin, Jimoh Bakare, Ede Emmanuel Okafor and Theresa Chinyere Ogbuanya	1024–1033	Enhancing Motivation of Electrical and Mechanical Engineering Technology Education Students with Acceptance and Commitment Therapy
Ashraf Badir and Robert O'Neill	1034–1043	Self-Assessment of Homework Assignments in Civil Engineering Design Courses
Mariana Tafur Arciniegas, Monica Isabel Gomez Velez, Juan C. Reyes, Diego M. Valencia, Francisco A. Galvis and Christiam C. Ángel	1044–1059	The Impact of Non-Traditional Teaching on Students' Performance and Perceptions in a Structural Engineering Course
Belén Muñoz-Medina, Sergio Blanco and Marcos G. Alberti	1060–1070	Impact of Service-Learning on the Motivation of Engineering and High School Students
Marko Sarac, Sasa Adamovic and Muzaffer Saracevic	1071–1079	Interactive and Collaborative Experimental Platforms for Teaching Introductory Internet of Things Concepts
Aziz Shekh-Abed, Orit Hazzan and Aharon Gero	1080–1089	Promoting Systems Thinking and Abstract Thinking in High-School Electronics Students: Integration of Dedicated Tasks into Project-Based Learning
Laura J. Hirshfield and Debbie Chachra	1090–1107	Complex Systems: Interactions Between Gender and Project Context on Confidence of First-Year Engineering Students

Zhiliang Huang, Jielian Deng, Hongxu Zhou, Tongguang Yang, Shuguang Deng and Zhiguo Zhao	1108–1120	Teaching Sustainability Principles to Engineering Educators
Asem Majed Othman and Emad Hashiem Abualsauod	1121–1130	Quality Assurance: Industrial Engineering Capstone Design Project Process Standardization
Ronit Shmallo, Tammar Shrot and Neta Kela Madar	1131–1143	Investigating Factors That Impact the Development of Entrepreneurial Interest among Engineering Students
	1144	Guide for Authors