

## Contents

### Contributions in: Soft Skills, Entrepreneurial Skills, Graduate Program, Academic Performance, Gender, Educational Technologies, Role Identity, Women, First Year Students, Learning Environment, Problem Solving, STEM, Big Data, Innovation, Active Learning, Design Process, Leadership, PBL, Student Outcomes, Conceptual Questions, Learning Style, Persistence, Software Engineering, Analog Circuits, Architecture Engineering, Mechanics, Robotics, Digital Circuits, Aerospace Engineering

Ahmad Ibrahim	987	Editorial
Ruholla Jafari-Marandi, Brian K. Smith, Reuben F. Burch V and Sara C. Vick	988–998	Engineering Soft Skills vs. Engineering Entrepreneurial Skills
Phillip A. Laplante, Joanna F. DeFranco and Everton Guimaraes	999–1007	Evolution of a Graduate Software Engineering Capstone Course—A Course Review
Ji-Eun Kim and David A. Nembhard	1008–1017	The Impact of Procrastination on Engineering Students' Academic Performance
Borja Bordel, Ramón Alcarria and Tomás Robles	1018–1036	Industry 4.0 Paradigm on Teaching and Learning Engineering
Dina Verdín, Allison Godwin, Adam Kirn, Lisa Benson and Geoff Potvin	1037–1051	Engineering Role Identity Fosters Grit Differently for Women First- and Continuing-Generation College Students
Emily Dringenberg and Amy Kramer	1052–1063	The Influence of Both a Basic and an In-Depth Introduction of Growth Mindset on First-Year Engineering Students' Intelligence Beliefs
Ronit Shmallo, Tammar Shrot and Lior Aronshtam	1064–1073	The Effects of Applying Assessment FOR and AS Learning in Theoretical Engineering Courses
Sean L. Gestson, Mathew S. Barner, Masoud Ghodrat Abadi, David S. Hurwitz and Shane Brown	1074–1093	Problem Solving Personas of Civil Engineering Practitioners Using Eye Tracking Techniques
David A. Delaine, Jose Roberto Cardoso and Joachim Walther	1094–1109	An Investigation of Inter-Stakeholder Dynamics Supportive of STEM, Community-Based Learning
Fatih Gurcan	1110–1115	Extraction of Core Competencies for Big Data: Implications for Competency-Based Engineering Education
Zhaohui Ye, Chengying Hua and Jian Qin	1116–1128	Integrating of Creativity and Self-Study in Analog Electronic Technology Education Through Project-Based Design
Octavio Mattasoglio Neto, Rui M. Lima and Diana Mesquita	1129–1140	Changing an Engineering Curriculum through a Co-Construction Process: A Case Study
Olivera Dulić, Milena Krklješ and Viktorija Aladžić	1141–1156	Teaching Design to Civil and Architectural Engineering Students— a Diagram-Based Approach
Douglas W. Stamps and John K. Layer	1157–1169	Leadership Development through Sequential Progressive Mentoring in a Project-Based Learning Environment
Paul Bazelais, David John Lemay and Tenzin Doleck	1170–1175	Exploring the Role of Testing in Student Outcomes: Evidence from a Mechanics Course
Vytautas Štukaiš, Renata Burbaitė, Vida Drašutė, Giedrius Ziberkas and Sigitas Drašutis	1176–1193	A Framework for Introducing Personalisation into STEM-Driven Computer Science Education
Ezgi Pehlivanli-Kadayifci	1194–1205	Exploring the Hidden Curriculum of Gender in Engineering Education: A Case of an Engineering Faculty in Turkey
Neusa Maria Franco Oliveira, Roberto d'Amore, Tertuliano Pinto, Ligia Urbina and Wilson Cabral Souza Jr.	1206–1214	Interdisciplinary Learning: An Electronic and Computer Engineering Case Study to Solve Environmental Problems
Branislav M. Notaroš, Ryan McCullough, Pranav S. Athalye and Anthony A. Maciejewski	1215–1223	New Partially Flipped Electromagnetics Classroom Approach Using Conceptual Questions
Andrej Trost and Andrej Žemva	1224–1237	A Web-Based Tool for Learning Digital Circuit High-Level Modeling
Sergio Paniagua Bermejo and Luis Fernando Calvo Prieto	1238–1249	Problems Without Data: An Emerging Methodology to Change The Way of Teaching Engineering Problems
Gülden Gümüşburun Ayalp and Onur Erman	1250–1262	Learning Styles of Architecture Students and Performance in Construction Management Courses: A Case Study
Devayan D. Bir and Benjamin Ahn	1263–1275	Factors Predicting Students' Persistence and Academic Success in an Aerospace Engineering Program
	1276	Guide for Authors