Contents

Contributions in: Attrition, Academic Performance, Technology Adoption, Sustainability, Enrollment Decline, Non-Cognitive Factors, Self-Efficacy, PBL, Team Formation, Professional Skills, Satellite Systems Education, Retention, Blended Learning, Online Learning, Assessment Framework, Visual Literacy, Model-Based Design, Teaching Model, Alternative Completion Pathway, Energy Efficiency Literacy, Entrepreneurial Mindset

Editorial 1613–1614
Ahmad Ibrahim

A Scoping Literature Review of Early-Career Engineering Faculty Educational Development 1615–1634
Marcus Vinicius Melo De Lyra, Adam R. Carberry and Benjamin Ahn

Identifying Early and Evolving Predictors of Engineering Students' Attrition at a Hispanic-Serving Institution 1635–1649
Lydia Ross, Amanda Davis Simpfenderfer, Junzhao Wang and Travis Terpkosh

The AI Paradox in Engineering Education: High Institutional Demand, Moderate Adoption, and Growing Concern among Technical Faculty 1650–1659
Enrique Barra, Daniel López-Fernández, Javier Conde, Jorge Dueñas-Lerín and Anabel Pilicita

Investigating the Influence of Curriculum Systems on Chinese Engineering Students' Sustainability Skills 1660–1666
Mengting Qian, Weijie Gao, Zeqing Xu and Huiming Fan

Engineering Program Restructuring to Address Enrollment Decline: Curriculum Modularization and Faculty Reorganization 1667–1678
Liangxu Chen, Qian Liu and Lipeng Wang

Predicting First-Semester Engineering Calculus Performance with Suite of Non-Cognitive Factors 1679–1693
Gholam Abbas Sattar-Shamsabadi II, Iouliana Ossipova, Patricia A. S. Ralston and Thomas R. Tretter

From Seville to the Moon: A Manufacturing Engineering Design Project-Based on the April Fair 1694–1701
J. L. Endrino

Personality-Grouping Interactions in Engineering Project-Based Learning 1702–1711
Yu-Sheng Lin and Yu-Hsuan Lin

A Literature Review of Factors Related to Students' Perceptions of Professional Skills 1712–1726
Emily Buten and Aaron W. Johnson

A Structured Approach to Satellite Systems Engineering Education Using a CubeSat Training Kit 1727–1737
Masahiko Yamazaki and Nagisa Sone

Predictive Modeling of Freshman Engineering Retention: Roles of Early Academic Performance and Generational Status 1738–1752
Thanh Loc Nguyen and Ning Fang

A Dual-Theory Framework for Blended Learning in a Computer Vision Course: A Case Study 1753–1769
Yunyu Shi, Xian Tang, Xiang Liu and Jingwen Zhao

Comparison and Application of Metaverse Platforms for Problem-Based Learning in Online Education 1770–1783
Jae-Kyoung Lee

Undergraduate Perspectives and Metaphors Regarding Online Programming Education 1784–1797
İsmail Tonbuloğlu

Assessment Framework of the Digital Feasibility of Practical Sessions in Civil Engineering Education 1798–1811
Assel Tulebekova, Aliya Aldungarova, Natalya Denissova and Shyngys Zharassov

Quantifying Individual Differences in Visual Understanding: A Style Transfer-Based Perceptual Modeling Framework 1812–1825
Yan Ruan, and Xiaofei Li

Industry-Driven Systematic Pedagogy for Electronic Control Course Cluster 1826–1836
Yabin Yan, Qiang Zhang, Yi Wang, Yaping Tian and Yufeng Zhang

Implementation and Assessment of a Practical Integrated Circuit Design Teaching Model 1837–1851
Li Yan, Yin Shu Juan, Ni Xiao Ming, Wang Xiao Ni, Li Han and Wu Qiu Xin

Thesis Completion as a Structural Bottleneck in Biomedical Engineering Education: A Diagnostic Study 1852–1861
Ernesto A. Ibarra-Ramirez, Gianna Frassati, Manuel Ceron, Mirna De Crespo and Jay Molino

Enhancing Student's Energy Efficiency Literacy Through Short-Term Training: A Case Study in Vietnam 1862–1871
Ngo Hoang Ngoc Dung, Dang Thi Thanh Huyen, Ngo Tuan Anh, Tong Ton Kien, Nguyen Tran Hieu, Nguyen Tien Dung and Le Thi Thuy Linh

Development and Validation of an Entrepreneurial Mindset Teaching Practices Inventory (EM-TPI) for Engineering Faculty 1872–1889
Shukufe Rahman, Marcus Vinicius Melo de Lyra, Md Ulfat Tahsin, Benjamin Ahn, Bryant Hutson and Heather E. Dillon

Guide for Authors (2026) 1890