

## Contents

### **Contributions in: Motivation, Students' Perceptions, Teamwork, Board Games, Decision Making, Gender Diversity, Intellectual Property, Capstone Projects, Enhancement of Learning, Inquiry-Based Learning, Product Design, Design Innovation, Airfoil Design, Software Engineering, Open Source Tools, Control Systems, Predictive Control, Chemical Engineering, Physics and Mathematics**

<b>Ahmad Ibrahim</b>	1339	Editorial
<b>Brett D. Jones, Jason W. Osborne, Marie C. Paretti and Holly M. Matusovich</b>	1340–1356	Relationships among Students' Perceptions of a First-Year Engineering Design Course and their Engineering Identification, Motivational Beliefs, Course Effort, and Academic Outcomes
<b>Antonio Maffei, Hakan Akillioglu and Niels Lohse</b>	1357–1366	Analysis of the Student Perception of the Link between Product and Production System: Towards Effective Strategies to Teach the Holistic Nature of Product Design
<b>Hoda Baytiyeh and Mohamad K. Naja</b>	1367–1375	Motivation to Volunteer in Earthquake Mitigation Programme among Engineering Students
<b>K. R. Hadley</b>	1376–1394	Teaching Teamwork Skills through Alignment of Features within a Commercial Board Game
<b>D. R. Economy, J. L. Sharp, J. P. Martin and M. S. Kennedy</b>	1395–1404	Factors Associated With Student Decision-Making for Participation in the Research Experiences for Undergraduates Program
<b>Nicholas D. Fila and Şenay Purzer</b>	1405–1418	The Relationship between Team Gender Diversity, Idea Variety, and Potential for Design Innovation
<b>Juan F. Valenzuela-Valdés, Pedro J. Pardo, Jose Luis Padilla and Pablo Padilla</b>	1419–1424	Intellectual Property Course for Engineering Students
<b>Patrick J. Frawley and Niall Prendergast</b>	1425–1435	Enhancement of Learning for Engineering Students through Constructivist Methods
<b>Stanislav Avsec and Slavko Kocijancic</b>	1436–1449	Effectiveness of Inquiry-Based Learning: How do Middle School Students Learn to Maximise the Efficacy of a Water Turbine?
<b>Mert Atilhan, Fadwa Eljack, Hassan Alfadala, Jeffrey E. Froyd, Mahmoud El-Halwagi and Vladimir Mahalec</b>	1450–1460	Inquiry Guided Learning in a Chemical Engineering Core Curriculum: General Instructional Approach and Specific Application to the Fluid Mechanics Case
<b>Jari Vanhanen and Timo O. A. Lehtinen</b>	1461–1475	Software Engineering Problems Encountered by Capstone Project Teams
<b>Deepti Mishra, Tuna Hacaloglu and Alok Mishra</b>	1476–1485	Teaching Software Verification and Validation Course: A Case Study
<b>Massimo Canale, Valentino Razza and Diego Regruto</b>	1486–1498	Model Predictive Control Education using a Rapid Prototyping Industrial Platform
<b>Piotr Skupin and Dariusz Choiński</b>	1499–1508	Microactuator System for Teaching Micropositioning Control System Design
<b>Alicia Perdigones, Eutiquio Gallego, Nieves García, Pilar Fernández, Enrique Pérez-Martín and Jesús del Cerro</b>	1509–1521	Physics and Mathematics in the Engineering Curriculum: Correlation with Applied Subjects
	1522	Guide for Authors

