Contents

Section I

The Impact of Collaboration between Academia and Industry on Engineering Education Part 1: Main types of collaboration, Lessons learned, Good practices, Assessment methods

Guest Editor

Andrés Díaz Lantada, Mechanical Engineering Department, UPM Innovative Teaching Group on Machine Development, Universidad Politécnica de Madrid, Spain

Ahmad Ibrahim	1057	Editorial
Andrés Díaz Lantada	1058	Guest Editorial
Andrés Díaz Lantada, Pilar Lafont Morgado, Juan Manuel Munoz-Guijosa, José Luis Muñoz Sanz, Javier Echavarri Otero, Julio Muñoz García, Enrique Chac	1059–1067 ón	Study of Collaboration Activities between Academia and Industry for Improving the Teaching-Learning Process
Tanarro and Eduardo de la Guerra Ochoa		
Hyungseok Yoon and Joosung J. Lee	1068–1079	Entrepreneurship Education and Research Commercialization of Engineering-Oriented Universities: An Assessment and Monitoring of Recent Development in Korea
Martine Buser	1080 - 1087	Engineering Students as Innovation Facilitators for Enterprises
Anne Hess, Dieter Rombach, Ralf Carbon, Daniel F. Murphy, Michael Hoeh and Christian Bartolein	1088–1099	The Role of Collaborative Capstone Projects—Experiences from Education, Research and Industry
Rasha Stino	1100-1108	People I Wish I Had Met Before Graduating TM Speaker Series for Construction Contracting Course
S. Chandrasekaran, A. Stojcevski, G. Littlefair and M. Joordens	1109–1118	Project-Oriented Design-Based Learning: Aligning Students' Views With Industry Needs
Jesús Manuel García, Enrique Soriano, Imanol García and Higinio Rubio	1119–1125	Implementation of Service-Learning Projects in Engineering Colleges
Narcis Ursache and Cristinel Mares	1126–1135	On Student Skill Development through Integration of Industrial Expertise in Module Delivery
Teboho Pitso	1136–1143	The Creativity Model for Fostering Greater Synergy between Engineering Classroom and Industrial Activities for Advancement of Students' Creativity and Innovation
Alan J. Levy and Weilin Li	1144–1154	Adaption of the Clinical Correlation Instructional Model for 2nd Year Engineering Science Courses
Victoria Townsend and Jill Urbanic	1155–1165	Industrial Field Trips: An Integrated Pedagogical Framework of Theory and Practice
Thomas J. Siller and John Durkin	1166–1171	University-Industry Partnership to Develop Engineering Students' Professional Skills
Mateus Cecílio Gerolamo and Lillian do Nascimento Gambi	1172–1183	How Can Engineering Students Learn Leadership Skills? The Leadership Development Program in Engineering (PROLIDER) at EESC-USP, Brazil
Ana Moreno, Julio Lumbreras, Carlos Mataix and Ignacio J. Pérez-Arriaga	1184–1191	Engineering Education for Sustainability: A Multistakeholder Case Study on ICT and Transportation
Sungjong Park and Gueesoo Cha	1192–1198	A Study on the Assessment of Key Competencies for Automotive Engineering Technology Education in Korea
John W. Davies	1199–1204	Using Students with Current Industry Experience to Evaluate Course Delivery
Monica F. Cox, Tasha Zephirin, Nikitha Sambamurthy, Benjamin Ahn, Jeremi London, Osman Cekic, Ana Torres and Jiabin Zhu	1205–1221	Curriculum Vitae Analyses of Engineering Ph.D.s Working in Academia and Industry

Section II

Contributions in: Blended Learning, Cooperative Learning, Innovation, Academic writing, Safety, Wind Energy

Hamidreza Kashefi, Zaleha Ismail, Yudariah Mohammad Yusof and Fariba Mirzaei	1222–1237	Generic Skills in Engineering Mathematics through Blended Learning: A Mathematical Thinking Approach
Nadjib Brahimi, Fikri Dweiri, Imad Alsyouf and Sharfuddin A. Khan	1238–1247	Implementing Co-operative Education in an Industrial Engineering Program in the United Arab Emirates: Experience and Lessons Learned
Hsiou-Huai Wang, Shih-Chung Kang and Tsung-Kai Lee	1248-1259	Cultivating Imagination in Entry-Level Civil Engineering Students: Exploring the Effects of an Innovative Instructional Model
Marcia Laugerman, Mack Shelley, Steve K. Mickelson and Diane T. Rover	1260–1269	The Engineering Admissions Partnership Program: A Navigation Strategy for Community College Students Seeking a Pathway into Engineering
Sarah L. Gassman, Michelle A. Maher and Briana E. Timmerman	1270-1280	Supporting Students' Disciplinary Writing in Engineering Education
David C. Shallcross	1281-1293	Using Concept Maps to Assess Learning of Safety Case Studies: The Eschede Train Disaster
Everett Sheble, Steffen Bickle and Carlos H. Hidrovo	1294–1308	Wind Energy Lab Module for Mechanical Engineering Undergraduate Curricula
	1309	Guide for Authors