

Contents

Special Issue

Engineering Education for All

Guest Editor

**Andrés Díaz Lantada—School of Industrial Engineering,
Universidad Politécnica de Madrid, Spain**

Andrés Díaz Lantada	2153–2154	Guest Editorial
Andrés Díaz Lantada, Juan Manuel Muñoz-Guijosa, Enrique Chacón Tanarro, Javier Echávarri Otero and José Luis Muñoz Sanz	2155–1271	Engineering Education for All: Strategies and Challenges
Colin Burvill, Bruce Field, Zulkeflee Abdullah and Maizam Alias	2172–2183	Problem-Solving with Industrial Drawings: Supporting Formal Graphics Language Development for Malaysian Engineering Graduates
Jinsong Tao, Stephen C. McClure, Jianjun Chen, Tingxin Song and Xishan Wen	2184–2193	Integrated Pedagogy for Specialty Courses in Chinese Engineering Education
Zin-Eddine Dadach	2194–2203	An Introductory Chemical Engineering Course Based on Analogies and Research-Based Learning
J. Mazorra, J. Lumbreras, I. Ortiz-Marcos, C. G. H. Díaz-Ambrona, A. M. Carretero, M. Á. Egido, B. Gesto, J. A. Mancebo, D. Pereira, M. Sierra-Castañer, S. Vignote, J. Moreno-Serna and C. Mataix	2204–2217	Using the Project Based Learning (PBL) Methodology to Assure a Holistic and Experiential Learning on a Master's Degree on Technology for Human Development and Cooperation
Luis Ballesteros-Sánchez, Isabel Ortiz-Marcos, Antonio Ros Serrano and Rocío Rodríguez-Rivero	2218–2228	Defining a new Project-Based Learning model: Challenges in a New Economic and Social Context
Moon-Soo Kim	2229–2239	Capstone Course Support System with Knowledge Acquisition and Utilization for Participant-directed Learning
Emre Ozkop	2240–2249	A Virtual Electric Power Transmission Line Lab
D. Kováč, I. Kováčová, T. Vince, J. Molnár, J. Perduľák, M. Bereš and J. Dziak	2250–2259	An Automated Measuring Laboratory (VMLab) in Education
Antonio De Amescua, Jose María Alvarez-Rodríguez, María-Isabel Sanchez-Segura and Fuensanta Medina-Domínguez	2260–2273	An Agile Framework Definition for Creating an Engineering Massive Open Online Course from Scratch: A Case Study
José L. Martín, Héctor R. Amado-Salvatierra and José R. Hilera	2274–2283	MOOCs for all: Evaluating the accessibility of top MOOC platforms
I. Ortiz-Marcos, T. Fransson, P. Hagström and J. Mazorra	2284–2293	Project Based Learning in an International Context in Sustainability and the Global Economy. T.I.M.E. European Summer School: A Truly European Learning Experience
Meera K. Joseph and Farouk Varachia	2294–2301	Foundry Students' Experiences under Engineering Programme for Localization
Antoni Perez-Poch, Noelia Olmedo-Torre, Fermín Sánchez, Núria Salán and David López	2302–2309	On the Influence of Creativity in Basic Programming Learning in a First-Year Engineering Course
Beatriz Amante García, Noelia Olmedo-Torre, Elena Cano García and Maite Fernández-Ferrer	2310–2317	A Comparative Analysis of the Incorporation of Skills at the Master's Degree Level
Morgan M. Hynes, Cole Joslyn, Avneet Hira, James Holly, Jr. and Nicholas Jubelt	2318–2327	Exploring Diverse Pre-College Students' Interests and Understandings of Engineering to Promote Engineering Education for All
	2328	Guide for Authors

