

Editorial

This issue of the IJEE (41-6) is the final issue of this year 2025. It has two sections; the first is a special issue on *Artificial Intelligence in Engineering Education – Part I*. It is guest-edited by Professors Andrés Díaz Lantada – Escuela Técnica Superior de Ingenieros Industriales, Universidad Politécnica de Madrid, Spain, and José Luis Martín Núñez – Instituto de Ciencias de la Educación, Universidad Politécnica de Madrid, Spain, I am grateful to them for their assiduous work guest-editing the special issue.

The second section has contributions in varied topics related to engineering education including: Attitude Scale, Digital Design, Teamwork, Capstone Projects, Creativity, Entrepreneurship, Identity, First-Year Engineering, Doctoral Education, Adaptive Learning, Faculty Development, and Industry Academia Alignment.

The authors contributing to this issue are from institutions in: Thailand, Algeria, Spain, Australia, Pakistan, Finland, USA, Serbia, Qatar, Jordan, Taiwan, Mexico, Malaysia, and China

Topics addressed in the previous issues of this year included:

Academic Achievement, Academic Burnout, Academic Integrity, Accreditation, Action Research, Active Learning, Adaptability, Aerospace, AI, Argumentation, Assessment, Automata Theory
Belonging, Biomedical Engineering
Competency, Computer Science, Concept Mapping, Concept Maps, Cooperative Learning, Course Design, Creativity, Cultural Orientations, Curriculum Change, Curriculum Development
Demographic Factors, Design Education, Digital Transformation, Divergent Thinking, Diversity, Doctoral Students
Education Policy, E-Learning, Electrical Vehicles, Electrochemical Cells, Energy & Environment, Engagement, Engineering Ethics, Engineering Graduates
Engineering Identity, Engineering Practice, Entrepreneurship
First-year Engineering, Flipped Classroom, Fluid Mechanics Modules, Fluid Mechanics
Gamification, Gender, Graduate Students
Health and Safety, Heat Exchanger
Inclusive Teaching, Industry Skills, Innovation, Innovative Media, Inquiry-Based Learning, International Coteaching, International Education, Internship
Joint European Degrees
Knowledge Maps
Leadership, Learning Outcomes
Major Selection, Mastery Learning, Material Science
Mentorship, Modelling, Multi-Institutional Collaboration
New Engineering Education
Outreach
Participatory Learning, PBL, Peer Groups, Peer Instruction, Persistence, Problem Solving, Professional Practice
Retention, Role of Math
Self-efficacy, Simulation, Smart Manufacturing, Social Capital, Social Skills, Soft Skills, Software, STEM, Students' Satisfaction
Task Complexity, Teaching Methods, Team Building, Teamwork
Undergraduates Mental Stress, University Industry Cooperation
Virtual Reality

There were also two special issues; namely:

Reconsidering Engineering Education: Embracing the Continuum from Emergency Remote Teaching to Future Learning Paradigms

Guest-edited by Professors Roberto Baelo Álvarez - Universidad de León, Spain, Andrés Díaz Lantada - Universidad Politécnica de Madrid, Spain, José Luis Martín Núñez - Universidad Politécnica de Madrid, Spain, and María Isabel Doval Ruiz- Universidade de Vigo, Spain

and

Selected papers from the 2022 and 2024 Capstone Design Conferences

Guest-edited by Professors Matthew Swenson - Mechanical Engineering, University of Idaho, USA, and

Bridget Smyser- Department of Mechanical and Industrial Engineering, College of Engineering, Northeastern University, Boston, MA, USA

I am grateful to all the authors, guest editors, and reviewers for their continuous interest in sharing their knowledge and expertise with the international engineering community through the IJEE.

As the Festive Season approaches, I wish everyone jubilant holidays and a wonderful and Happy New Year

Ahmad Ibrahim