

“DIVERSITY AND ETHICS IN EDUCATION FOR AN INCLUSIVE AND SUSTAINABLE WORLD”



WEEF
IFEES
GEDC

MADRID
15th - 18th
NOVEMBER
2021

CALL FOR PAPERS

<https://weefgedc2021.org>

The 2021 WEEF/GEDC will be held in Madrid, Spain, from 15th-18th November 2021.

Themed “Diversity and Ethics in Education for an inclusive and Sustainable World” will have joint actions from IFEEES and GEDC as hosts to have this new edition of the WEEF (World Engineering Education Forum) integrating Academia, Industry, Social Institutions, Associations and Students. All together during four days in Madrid following a hybrid model (face to face and online models) allowing each participant to follow the best way to interact depending on their own conditions and possibilities.

We are preparing the best conference environment to allow close contact between all attendees as well as allowing time for meetings (public and private ones), round tables, workshops, keynotes and invited speakers, social Awards presentations, culture programs, industry panels and sponsor exhibits.

All paper publication, presentations and activities of the conference will be in English.



VISION OF WEEF/GEDC 2021

The 2030 Agenda for Sustainable Development of UNESCO establishes clearly, among other areas of critical importance for humanity and the planet, goals and targets for the Quality of Education, Sustainable Quality Education 4 (SDG4). These goals have to be implemented by all countries and shareholders.

WEEF/GEDC 2021, aware of this scenario, aims to be one of these global stakeholders. Its vision is aligned with the SDG 4 which is formulated as the basis for, encompassing many different aspects in Higher Education and in particular in Engineering Education, the creation of sustainable development of technical and soft competences, inclusive education and effective in terms of learning outcomes related to the professional market and entrepreneurship.

In detail, one of the most important and urgent topics on the evolving path of our world is the need to go back to the Ethical and Sustainable orientation of the Engineering profession. This can be achieved using efficiently our resources focusing on our global world needs and having in mind our local possibilities and characteristics through Engineering Education Societies and their members. All groups involved in this process are key people and altogether we will share the space of WEEF/GEDC 2021 between students and associations, academia deans, administrators and teachers, education engineering associations to maximize the synergy.

Some past emerging countries are now giants, and they are doing a lot of efforts, as well (green plantations and trees/forests, smart cities, avoiding pollution new actions, etc.)

However, the political frameworks are far away from the civil wishes, as was clearly shown in the last COP25 World Climate Summit celebrated in Madrid from the 2nd to the 13th of December 2019. Over 25,000 representatives from 200 countries met to reach agreements and commitments between nations to fight against the effects of climate change. But no agreements were taken.

This is another reflect of the deviation of the political elite and the scientific and civil communities, as well from some young new incomers that everyday are so far away on those principles and on the ways of actions. Year by year, our ethical and sustainable vision inside the Engineering Education must continue to penetrate inside our practitioner and academic communities. This is our responsibility.



We invite submissions for papers, workshops, panels, round tables and Special Sessions, which address the following themes (though not limited to this list):

- Women in engineering and engineering education
- Mental Health in engineering education
- Peace engineering
- The ethical challenge and engineering education
- Diversity, gender, identity and multicultural education
- Mobility: virtual, programs and internships
- Graduate attributes for the future engineer
- Strengthening engineering education in developing countries
- K-12 STEM Education Initiatives
- Student-Centered Learning Environments
- Engineering education student organizations
- International studies and students
- Teamwork and mentoring
- Progression, retention, attrition and persistence
- Multicultural diversity in the workplace
- Sustainability and Sustainable Development Goals (SDGs)
- Online and blended learning
- Future of the engineering education
- Scholarship of Teaching and Learning
- Development of engineering educators
- Engaging Undergraduate Students in Research
- Climate change and engineering education
- Mastering Digitalization, Artificial Intelligence and Machine Learning
- Game-Based Learning and Gamification for Engineering Education
- Lab concepts (traditional, online, remote, pocket) in Engineering Education
- Data driven engineering education
- Automation technology and machine safety
- Future of skills for the Industry
- Lifelong learning in a changing world
- University and industry/institutions and connections
- Virtual and distributed workforce
- Foundations of the university of the future
- Work integrated learning in a virtual environment





We thank you for your consideration to support our conference and partner with us.

General Chairs:
Edmundo Tovar,
Hans Jürgen Hoyer and
Manuel Castro

For more information, please contact us:
info@weefgedc2021.org

IMPORTANT DATES

DATES

Call for paper submissions opens	March 15, 2021
Deadline for extended abstract submissions	April 30, 2021
Special Sessions, Panels and Workshops proposal submission deadline	April 30, 2021
Notification of extended abstracts, Special Sessions, Panels and Workshop acceptance	May 15, 2021
Deadline for complete paper submissions for review	June 30, 2021
Notification of complete paper acceptance	September 10, 2021
Submissions final camera-ready papers and electronic copyright	September 20, 2021
Online authors and early registration deadline	September 20, 2021
Regular registration deadline	October 15, 2021
Conference dates and late registration end	November 15-18, 2021

SEND CONTRIBUTION



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