

EDUCON2020 Special Session

Inclusion and Diversity in Engineering Education (IDEE'20)

<http://www.educon-conference.org/>

Overview

Engineering should attract, promote, foster and retain talents, considering that individuals are different and they can have characteristics that can require flexibility in the education system in order to guarantee equal opportunities of anyone regardless their gender, race or condition. These characteristics can make the developing of their skills more challenging for the students and also for the educational institutions and their professionals.

Some of these characteristics can have a physical reason, such as deafness or blindness, other can be neurological, like autism or attention deficit hyperactivity disorder (ADHD), and other students can be part of groups that are still underrepresented in academia, like women, or they belong to some minorities or ethnical groups.

The IDEE'20 at EDUCON 2020 aims to start a discussion and a reflection about the diversity and inclusion in Engineering Education (EE), identifying the problems and proposing solutions. It also wants to create a bridge from schools to universities, highlighting that many problems that are visible in universities are the results of base problems that appear in early stages of education.

This special track wants to promote new ways to face and deal with the problem of the lack of representativeness in science, technology, engineering and math (STEM).

Topics

- Supporting young female students to enter the Engineering courses
- Supporting graduate and undergraduate female students to complete the course Supporting the development of the careers of women
- Students with special needs
- Technologies as a tool to integrate students
- Fostering underrepresented Groups in the Universities
- Peripheral regions, Diversity and Development
- Diversity and entrepreneurship
- Extension projects from university to foster inclusiveness
- Public policies for inclusion
- Diversity and job market
- Inclusion and diversity for K-12 education

- Support for professional transition to Engineering
- Support for lifelong learning and training
- Learning experiences to promote inclusion and diversity in STEM education
- Tools and their use to foster inclusion and diversity

Technical Program Committee

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Deadlines

Dec. 15, 2019	Submission of complete papers
Jan. 21, 2020	Notification of Acceptance
Feb. 17, 2020	Author registration and Payment and Final/Camera-ready Due
Apr. 27, 2020	Pre-Conference Workshops
Apr. 28-30, 2020	EDUCON 2020