



 **IEEE**
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Special Session: IDEE'19 - Inclusion and Diversity in Engineering Education

Engineering should attract, promote, foster and retain talents, considering that individuals are different with unique characteristics. This requires flexibility in the education system in order to guarantee equal opportunities of anyone regardless of gender, race or any classifiable traits. Ensuring inclusion and diversity in engineering education can make the skills development process more challenging for students, professors and educational institutions. Some of these challenges can be the result of physical needs, such as deafness or blindness, or mental and emotional issues, such as autism or attention deficit hyperactivity disorder (ADHD). Other students can be part of groups that are still underrepresented in academia, like women, ethnic minorities or other underrepresented groups.

IDEE'19 aims to continue earlier discussions and reflections about diversity and inclusion in engineering education, identify existing problems, and proposing solutions. It is also intended to create a bridge between schools to universities, highlighting that many problems that are visible in universities are the results of root causes that appear in earlier stages of education. This special session will promote new ways to face and deal with the problem of the lack of representation of numerous society sectors in science, technology, engineering and math (STEM).

Topics include (but are not limited to):

- Supporting young female students to study engineering
- Supporting graduate and undergraduate female students to complete their engineering studies
- Supporting the development of engineering careers of women
- Supporting students with special needs
- Using technology as a tool to integrate students
- Fostering underrepresented groups inclusion in universities
- Diversity and development of peripheral regions
- Diversity and entrepreneurship
- Extension projects at universities to foster inclusiveness
- Public policies for inclusion
- Diversity and the job market
- Inclusion and diversity for K-12 education
- Supporting professional transition to engineering for underrepresented groups
- Supporting lifelong learning and training for underrepresented groups

Program Committee

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