CALL FOR PAPERS

SPECIAL ISSUE ON

Ethics, Social Responsibility and Sustainability in Engineering Education

Guest Editors

Marc Alier Forment
Universidad Politécnica de Cataluña, Spain, marc.alier@upc.edu

Miguel Ángel Conde
Escuelas de Ingenierías Industrial e Informática
University of León, Spain, mcong@unileon.es

In recent years technical universities have started to include Ethics, Social Responsibility and Sustainability in their elemental requirements for engineering education. For example, in its statutes the Universitat Politècnica de Catalunya (UPC) defines itself in as a "knowledge-generating and transmitting entity, that must promote the protection of the environment and sustainable development, both in terms of training and research activities and institutional ones", acknowledging "importance of the social and environmental impact of scientific, technological, humanistic and artistic activities, as well as the ethical problems raised by any of these activities, and that UPC must offer courses related to these issues in the framework of the curricula.

The IEEE/ACM Computer Science Curriculum 2013, identifies social issues and professional practice as one of the key knowledge areas that computer undergraduate students must learn. These guidelines state "the education that undergraduates in computer science receive must adequately prepare them for the workforce in a more holistic way than simply conveying technical facts. Personal attributes (such as risk tolerance, collegiality, patience, work ethic, identification of opportunity, sense of social responsibility, and appreciation for diversity) play a critical role in the workplace".

This special issue calls for communications about research, innovations, and best practices on how to teach the dimensions of ethics, social responsibility, and sustainability to engineering students, present in every engineering discipline and project.

Topics of interest include:
- Diversity and Inclusion in Engineering Education
- Good practices, methodologies and tools for including the principles of Ethics, Social Responsibility, and Sustainability in Engineering Education

- Impact of teaching (or lack of) Ethics, Social Responsibility, and Sustainability in Engineering
- Ethics and Engineering Education
- Teaching Engineering Ethics Online

Submissions are to be sent by e-mail in MSWord (.doc) to the guest-editors of the Special Issue:
Dr. Marc Alier Forment: marc.alier@upc.edu
Dr. Miguel Ángel Conde González: mcong@unileon.es

Important dates:
- Submission of extended abstracts (around two pages): December 31, 2020
- Notification of reviewers' feedback: February 28, 2021
- Complete manuscript submission: May 1, 2021
- Notification of reviewers' feedback: July 15, 2021
- Final manuscript submission: September 1, 2021

Manuscripts must be written in English and limited to 12 one-sided, one-column, single-spaced pages. Manuscripts should include keywords, complete affiliation of the authors and a short biography. Citations and reference list should comply with IJEE Guide for Authors. Figures and illustrations should be suitable for non-color printing.
General information and guidelines are available at the IJEE web site: https://www.ijee.ie/
Specific Information for authors is available at:
https://www.ijee.ie/2020_Guide_for_Authors.pdf ; https://www.ijee.ie/PageCharge.html