

ORGANIZERS

The conference will be organized by Escola de Camins (Department of Civil and Environmental Engineering) of the Universitat Politècnica de Catalunya (UPC BarcelonaTech), and EUCEET (European Civil Engineering Education and Training) Association.

The Escola de Camins (Department of Civil and Environmental Engineering) at UPC BarcelonaTech (camins.upc.edu/en) offers educational and training programs in civil engineering. We aim at delivering highly qualified professionals in civil and environmental engineering, with a solid scientific background and strong management skills. We offer different Bachelor and Master programs (one Bachelor and several Masters fully taught in English, three of them are Erasmus Mundus masters) and train more than 400 PhD students in different topics in a broad number of civil engineering topics. We rank among the most prestigious centers in Europe, based on the educational quality and an outstanding research production recognized by European and international grants and distinctions.

EUCEET association (www.euceet.eu) promotes cooperation between higher education institutions offering programs in civil engineering; contribute to the establishment of educational criteria in civil engineering, based on learning outcomes and competences; encourage the development of programs of education and training in civil engineering; operate as a consultant in programs concerning education and training in civil engineering; establish permanent links with the construction industry of Europe, ensuring that the point of views and needs of the industry concerning the educational programs become known by the academia; promote the mobility of students and teaching staff of the higher education institutions offering programs in civil engineering; cooperate with established professional or other associations in the furtherance of the objectives; promote continuing education as an indispensable mean for the professional development of civil engineers; participate to programs of the European Commission in the field of education; foster the cooperation of its members in the field of research; cooperate with other international organizations with related interests from Europe and outside Europe.

EUCEET welcomes all stakeholders concerned with civil engineering education and training, including universities and other tertiary education institutions, student associations, national and international civil engineering societies, construction and consulting companies.

EUCEET 2018

Barcelona 4th EUCEET International Conference in
Civil Engineering Education

CHALLENGES FOR THE THIRD MILLENNIUM

Barcelona, 5th-8th September 2018



EUCEET 2018

Barcelona 4th EUCEET International Conference in
Civil Engineering Education

Barcelona, 5th-8th September 2018

World economy is changing rapidly. On the one hand, issues like health and safety, quality, resilience, sustainability, social justice and environment are increasing their weight for decision makers compared with traditional pecuniary considerations. On the other hand, the advent of cheap powerful computers, smart phones and robots is changing society drastically and also the economic interactions.

The general agreed on professional requirements for future generations are the ability to interact with computers and robots, and the ability to do what these are not able to do (the so called soft skills as ethics or creativity). Civil Engineer practice is also impacted by this change. In the frame of Bologna Treaty, most universities are striving to adapt their educational contents as well as their training methods. Is Civil Engineering Education able to keep pace?

In this conference, this question will be answered addressing the following topics:

- **New contents and capabilities:** Resilience, sustainability, BIM (Building Information Modelling), soft skills, automation, artificial intelligence, smart cities, UAV (Unmanned Aerial Vehicles).
- **Methodology:** Student centered teaching methods, online learning, flip learning, active learning, PBL (Project Based Learning)
- **The impact of educational policies on education:** quality management, quality control and accreditation agencies, links between teaching, research and practice.



Venue and tentative schedule:

Civil Engineering School of Barcelona
Technical University of Catalonia, BarcelonaTech
C / Jordi Girona 1-3, C2
08034-Barcelona, Spain

How to arrive:



DATE	TIME	ACTIVITY
Wed 5 th	18:00-20:00	Early registration and Welcoming Reception.
Thr 6 th	08:00-08:30	Registration
	08:30-18:00	Conference
	18:00-19:30	EUCEET Association General Assembly
	20:00	Gala Dinner
Fri 7 th	09:00-14:30	Conference
	16:30-19:00	Technical Visit. Sagrada Familia
Sat 8 th	10:30-12:30	Technical Visit.

Important dates:

October 2017: Call for papers

January 31st, 2018: 1st Deadline for Abstract Submission

March 7th, 2018: Notification acceptance of Abstracts

May 31st, 2018: Deadline for Paper Submission

June 15th, 2018: Notification acceptance of papers and tentative program.

June 30th, 2018: End of Early Bird registration and final program.

5th-8th September 2018: Conference.

