



WEEF 2015
World Engineering Education Forum

Engineering Education for a Resilient Society

Core Topics of the Forum

WEEF 2015 will include the following strands, though not exclusively, given that issues that are in other ways relevant to the key theme will also be considered:

- Climatic change adaptation
- Natural disasters
- Growing population and urbanization
- Energy transition
- Biotechnologies
- Water crisis
- Food crisis

Paper submissions will be divided into the following Topics:

- **Quality in Engineering Education**
Programme outcomes assessment (good practices)
Assessment of informal and nonformal student learnings
Impacts of Quality Assurance approaches on institutions and graduates
Engineering Education Research
Ethics and Engineering Education
Technical Teacher Training
- **Relevance of Engineering Education**
Academic-industry partnerships
Professional and continuing education
Mobility of students and recognition of degrees
Impact of globalization
- **Attractiveness of Engineering Education**
Global campuses
Online programs
MOOCs
Digital education
Online labs
Equity in Engineering Education
Open and project based learning
Women in engineering careers

- **Diversity in Engineering Education**
 - Role of diversity
 - Impact of diversity
 - Diversity programmes and initiatives
 - Discipline-specific methods
- **Innovation in Engineering Education and Curriculum Development**
 - Digital and online engineering education
 - Hybrid and blended learning
 - Flipped classrooms
 - Project based learning
 - New trends in engineering education
- **Sustainability issues such as:**
 - Sustainable Energy for all
 - Sustainability in the Supply Chain
 - Corporate Social Responsibility including:
 - Human rights
 - Good workplace practices
 - Environmental standards
 - Anti-corruption
- **Resilience by design of civil engineering works (EUCEET Association)**
 - Water related problems
 - Resilient infrastructures
 - Energy efficiency of buildings
 - Sustainable buildings
- **General Topics**
 - New learning models and applications
 - Collaborative learning
 - Adaptive and intuitive environments
 - Mobile learning environments
 - Computer aided language learning (CALL)
 - Educational MashUps
 - Knowledge management and learning
 - Evaluation and outcomes assessment