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