

# **Federation of Lebanese Engineers**

## **Request to host the**

### **WFEO Standing Committee on Education in Engineering**

#### **(WFEO-CEIE)**

### **Strategic Plan For 2015-2019**

**Revised July 2015**

#### **1.0 Vision for WFEO-CEIE**

The Committee on Education in Engineering will work towards excellence in engineering education. The main issue is to bring the profession into higher levels in research and development and to focus on the issues of accreditation for the mobility, sustainability and globalization of engineers around the world.

The committee will work on establishing webinars and conferences on the issue of accreditation and will look forward to put the MOU between IEA and WFEO into action in the coming years. This is accomplished by establishing a working group from the executive council, headed by the Vice Chair of the committee.

We will work with regional organizations in developing procedures for setting qualifying exams to engineers starting their practices in their countries and entering the engineering associations in their countries. This action started in Lebanon in December 2014.

#### **2.0 Mission Statement for WFEO-CEIE**

In partnership with its national members and other WFEO standing committees, the WFEO-CEIE will execute a thematic, results-oriented program for 2015-2019 that:

- Increases the understanding of the international, national, and regional awareness on the impact of globalization in engineering education.
- Push the mobility process through local and international accreditation of engineering programs at universities.
- Gather and disseminates information and provides recommendations for the accreditation of engineering programs.
- Develops and promulgates appropriate educational programs in the industry/university to keep poverty away from developed nations.
- Engages with the appropriate United Nations agencies, international, non-government organizations and national members of World Federation of Engineering Organizations to provide engineering advice and strategies related to the international accreditation processes.

- Achieves recognition of the role and contributions of WFEO to the engineering profession through publishing the IDEAS journal, a very important and respected journal published by WFEO. The articles in the journal are peer reviewed by 2 professors from recognized universities.
- Work on the issue of sustainability for the wellbeing of the engineering profession.
- Supports the WFEO's President's Task Force engaging with the United Nations Commission on Sustainable Development to provide the engineering perspective on the current issues;
- Supports and raises WFEO's profile and participation in the work of UNESCO and OECD as it relates to engineering education.
- Engages with other international bodies like IEA, ABET, ASEE and on projects that support the practice of engineering.

### **3.0 Mandate of CEIE**

The WFEO–CEIE shall support the WFEO and the engineering profession worldwide by:

- Encouraging and supporting CEIE theme leaders to organize international webinars, workshops and seminars related to their work within the strategic plan.
- Developing and promoting policies, strategies and practices to adapt engineering sustainability.
- Drafting practice guidelines and policies related to engineering education to be approval of the WFEO Executive Council and WFEO members.
- Communicating to the WFEO and the international community on the work of the CEIE.

### **4.0 Operating Principles**

The WFEO-CEIE shall engage in a facilitating role among its members and the WFEO community. Where necessary, this role may include leadership and coordination among members and other committees of the WFEO.

The WFEO-CEIE will conduct its business in a transparent, inclusive and consultative manner among its members as well as the other committees and structures within the WFEO by:

- Working with local organizers to organize projects and advance progress on the themes
- Inspiring and empowering our theme leaders and project participants, treating each other fairly and respectfully and fostering teamwork and collaboration

- Encouraging collaboration among committee members as well as other standing committees of the WFEO as appropriate
- Focusing on concrete and measurable deliverables and tracking progress.
- Communicating in an open, forthright and timely manner
- Reporting to, and liaising with, the WFEO Executive Board and Council

## **5.0 Themes**

The Strategic Plan is organized around the following themes for the period 2015-2019.

1. Mobility
2. Sustainability
3. Accreditation

This Strategic Plan is a “living” document that will evolve as the work progresses. It will be reviewed annually, and any adjustments will be reported in a timely manner to the WFEO Executive Board and Council. The Plan, and any subsequent versions, will be used by the committee to track progress and report to the WFEO Executive Board, Council and General Assembly.