

**Biennial Report (2009-2011)**  
**WFEO Committee on Engineering for Innovative Technologies**  
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Chair – Committee on Engineering for Innovative Technologies

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## **INTRODUCTION**

The WFEO Committee on Committee on Engineering for Innovative Technologies has been very active since the General Assembly in Delhi, India in November 2007. The Chair is Mr R P Gupta, Past President, The Institution of Engineers (India). As the Chair of this Committee, Mr Gupta is also a Vice President of the WFEO and a member of the WFEO Executive Council. The committee has been renamed as “Committee on Engineering for Innovative Technologies” from October 2010.

A set of well-defined objectives, as described below, has been developed to achieve the Committee’s vision through various approaches in the area of technological advancements :

- To identify technologies suitable for sustainable development, especially in the context of Millennium Development Goals and the Bali Action Plan.
- To disseminate information on such technologies and create capacities for transfer, adaptation and development of new technologies.
- To develop strategies for building technical capability in developing countries to engage effectively in the global economy and international trade.
- To facilitate international and regional conferences, seminars, training programme and other awareness programmes to promote engineering practices worldwide.
- To recognize outstanding contribution of engineers.
- To establish linkages with various international, regional and national institutions involved in promotion of engineering practices.
- Innovation through Institutional integration: Bringing all stake holders ie R&D, Academia and Industry together to think , develop and implement complex engineering solutions by capitalizing their innovative capabilities
- To offer solutions to current engineering and technology challenges on the global scale for engineering team building.

### **Thrust Areas for Innovative Technologies**

- Clean Technologies
- Micro System
- Nanotechnology
- Smart Materials
- Sensor Networks
- Virtual Reality
- Bioengineering
- Information and Communication Technologies

## **GOVERNANCE**

The Committee consists of a Chairman and six regional Vice-Chairmen representing Americas, Far-East, Europe, Africa and Asia and members representing from countries namely, Australia, Brazil, Canada, China, Hong Kong, India, Korea, Kuwait, Malaysia, Nigeria, South Africa, Sri Lanka, UK and USA.

## **MEETINGS**

The Committee has met in conjunction with meeting of the WFEO Executive Council. During this period, the Committee held its meetings at Brasilia, Brazil on 30 November 2008, Kuwait on 2<sup>nd</sup> November, 2009 and at Buenos Aires, Argentina on 15<sup>th</sup> October, 2010.

## **WFEO WEBSITE**

The Committee is running its own website “[www.wfeo-tech.org](http://www.wfeo-tech.org)” exhibiting details of work done. The site is also linked with [www.wfeo.net](http://www.wfeo.net)

## **ACTIVITIES**

The Committee has been actively engaged in the organization of a number of activities during the period under report. The following are some of the activities with national level participation:

### **ACTIVITIES FROM JUNE 2009 TO MARCH 2011**

1. National Seminar on Special economic zone and rural management June 14-15 2009 at Jaipur.
2. National Seminar on ‘Industrial Automation, Mobile Robots and Autonomous Systems’, 11-12 July 2009, Jaipur, India.
3. National Workshop on ‘Robotics Assembly and Programming’, 13-14 October 2009, Kadapa, India.
4. The name of the committee has been changed to “Committee on Engineering for Innovative Technologies”
5. IEI Delegation in Doha, Qatar on 21st October, 2010 : The office-bearers of the Qatar Overseas Chapter of IEI in Doha, Qatar, had a meeting with Mr Madan Lal, President, IEI; Mr R P Gupta, Past President, IEI and presently the Vice President, World Federation of Engineering Organizations (WFEO); and Cdr Arvind K Poothia, Director General, Engineering Staff College of India (ESCI) - an autonomous organ of IEI, on October 21, 2010.
6. International Conference on “Future Challenges – Wireless Communication, Optical Communication and Networks”, 27-29 November, 2010 at Chandigarh (India). The conference was sponsored by “Committee on Engineering for Innovative Technologies” (COMTECH)

7. International Conference on “Green Power Generation : Vision 2020” 10-12 December, 2010 At Anpara (India). The conference was sponsored by “Committee on Engineering for Innovative Technologies” (COMTECH)
8. The Delhi State Centre of the Institution under the aegis of the Safety and Quality Forum (SQF) - a peripheral body of the Institution, organised National Safety Convention on the topic ‘Safety in Urban Habitat Development’, during December 28-30, 2010. The Session on ‘Industrial Safety’ was chaired by Mr R P Gupta, Past President.
9. Committee on Engineering for Innovative Technologies (COMTECH) participated & attended Executive Committee meeting of Federation of Engineering Institutions of South and Central Asia (FEISCA) held concurrently with FEISCA Seminar held at Dhaka, Bangladesh on 12-14 January 2011.
10. The 25th National Convention of Computer Engineers was organized by the Udaipur local Centre of the Institution under the aegis of The Computer Engineering Division IEI, COMTECH in association with The Computer Society of India, Department of Computer Science & Engineering, and CTAE and Techno India NJR Institute of Technology organized a National Seminar on the theme ‘Networked Home Systems and Services’ during February 4-6, 2011 at Udaipur.