

# FEDERATION OF ENGINEERING INSTITUTIONS OF ASIA AND THE PACIFIC (FEIAP)



## **Second FEIAP Convention and International Conference on “Engineering Initiatives for Sustainable Development : Integrating Innovation and Ethics” 08 - 11 May 2013, Hyderabad (India)**

The Second FEIAP Convention and International Conference on “Engineering Initiatives for Sustainable Development : Integrating Innovation and Ethics”, organized by The Institution of Engineers (India) and hosted by its Andhra Pradesh State Centre, was held during 08 - 11 May 2013 at Hotel Taj Krishna, Hyderabad.

### **08 May 2013**

On the first day of the event, the on-spot registrations started at 0900 hrs. In the afternoon, the meetings of the following Standing Committees and Working Group of FEIAP were held in parallel from 1430 hrs onwards :

- i. FEIAP Standing Committee on Engineering Education  
Chair : Dr John Li, Chairman (International Relations), Chinese Institute of Engineers (CIE), Taiwan
- ii. FEIAP Standing Committee on Environment  
Chair : Mr Chong Kee Sen, Vice President, The Institution of Engineers, Singapore (IES)
- iii. FEIAP Standing Committee on Information and Communication Technologies (ICT)  
Chair : Mr G Prabhakar, Past President, The Institution of Engineers (India)
- iv. FEIAP Working Group on Natural Disaster Support  
Chaired by Dr Tiger Waon-Ho Yi from Korean Professional Engineers’ Association (KPEA) in absence of Mr Nam Ho, Chair of the Work Group



***Dr John Li conducting the meeting of FEIAP Standing Committee on Engineering Education.***

A Reception was organized in the evening for the participants at the Ball Room of the Hotel Taj Krishna, Hyderabad with the aim “Meet ‘n’ Greet”.

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**09 May 2013**

At the Inaugural Function held at 0930 hrs on the second day, this prestigious event was formally and ceremonially inaugurated by Mr E S L Narasimhan, Respected Governor of Andhra Pradesh State and the Chief Guest on the occasion, by lighting the traditional lamp.



***Mr E S L Narasimhan lighting the traditional lamp to mark the inauguration of the event.***

*Dato Ir. Prof (Dr) Chuah Hean Teak, President of FEIAP; Mr S S Rathore, President of IEI; Mr G Sudhakar, Chairman, AP State Centre of IEI and Maj Gen R K Sanan, VSM (Retd), Secretary and Director General of IEI, looking on*

Mr G Prabhakar, Chairman, Organizing Committee for the event and also Past President of IEI, delivered the Welcome Address. He, in his address, extended a warm welcome to all dignitaries and delegates present on the occasion, especially Dato Ir. Prof (Dr) Chuah Hean Teak and Mr Tan Yean Chin, the President and the Secretary General of FEIAP, respectively.



***Mr G Prabhakar delivering the Welcome Address at the Inaugural Session of the event.***

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Mr S S Rathore, President of IEI, in his Opening Remarks, elaborated on the efforts of the host centre in organizing an event of such a magnitude.



*Mr S S Rathore giving his Opening Remarks at the Inaugural Session of the event.*

Dato Ir. Prof (Dr) Chuah Hean Teak, while presenting an introduction to FEIAP Convention, mentioned about its genesis and the objectives.



*Dato Ir. Prof (Dr) Chuah Hean Teak presenting an introduction about FEIAP Convention.*

Mr M Gopalakrishna IAS (Retd), former Special Chief Secretary to the Government of Andhra Pradesh, delivered the Keynote Address on the occasion. He exhorted Indian cultural heritage and role of ethical values in the growth of human life in protecting human values. He accentuated that engineers must be local, focal and vocal in their approaches to address problems being faced by the people at large.





***Mr M Gopalakrishna, IAS (Retd) delivering his Keynote Address.***

The Respected Governor of Andhra Pradesh also formally launched the new website of FEIAP, which would now be maintained by The Institution of Engineers (India). He also subsequently released the Technical Volume that was brought out on the occasion.



***Mr E S L Narasimhan launching the new FEIAP Website.***

In his Inaugural Address, Mr Narasimhan emphasized that innovation, in almost all sectors, had grown to such a level and magnitude that without innovation, society may not sustain in the present context. Moreover, the extra-ordinary contribution of Engineers will be of no avail unless innovation is added to it.

Mr Narasimhan further expressed his happiness that FEIAP and IEI were jointly striving to help the countries of Asia and the Pacific Region to go in a big way for sustainable development. He added that the discipline of Engineering could no longer be perceived as a technical domain nor the practitioners as working in isolation.

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***Mr E S L Narasimhan delivering his Inaugural Address.***

‘Transparency and fair deal must be corner stone of the society's efforts to kin tune with the objectives of sustainable development by meeting the needs of the present without compromising the ability of future generations to meet their own needs’, Mr Narasimhan opined.

The Inaugural Address by the Chief Guest was followed by the presentation of mementoes to the dignitaries present on the occasion. Maj Gen R K Sanan, VSM (Retd), Secretary and Director General of IEI, subsequently proposed a hearty Vote of Thanks.



***Maj Gen R K Sanan, VSM (Retd) proposing the Vote of Thanks at the Inaugural Session.***

It has been customary on the part of FEIAP to select every year one eminent engineer from one of its member economies for conferring the ‘FEIAP Engineer of the Year Award’ during the FEIAP Convention. Mr Pradeep Chaturvedi, an Indian Engineer, who is presently a member of IEI Council, was selected for the FEIAP Engineer of the Year Award for the year 2013 in recognition of his outstanding work.

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At the FEIAP Award Function, Dato Ir. Prof (Dr) Chuah Hean Teak, President of FEIAP, and Mr S S Rathore, President of IEI, presented the 'FEIAP Engineer of the Year Award 2013' to Mr Pradeep Chaturvedi for his outstanding contribution in the field of energy.



***Mr Pradeep Chaturvedi receiving the Plaque of 'FEIAP Engineer of the Year Award 2013' from Dato Ir. Prof (Dr) Chuah Hean Teak and Mr S S Rathore.***

After culmination of the Award Function, Four Invited Talks were also delivered on the occasion, namely, (a) "Importance of Values and Ethics in Sustainable Growth" by Dr P N Murthy, Chairman (R & D), SEED; (b) "Institutional Commitments towards Sustainable Innovation and Entrepreneurship" by Dr D N Reddy, Chairman, Recruitment and Assessment Centre, Defence Research and Development Organization (DRDO), New Delhi; (c) "Energy Technology Innovation and Ethics" by Mr Marc W Goldsmith, President, American Society of Mechanical Engineers (ASME); and (d) "Innovative and Simple Engineering Designs to Boost Solar Energy Development in India" by Prof T Harinarayana, Director, Gujarat Energy Research and Management Institute (GERMI), Gujarat.

The 21<sup>st</sup> General Assembly of FEIAP was held on the same day at 1800 hrs. Dato Ir. Prof (Dr) Chuah Hean Teak, President of FEIAP, conducted the General Assembly, which was attended by Dr John Li, Vice President FEIAP; Mr Tan Yean Chin, Secretary General FEIAP; Mr Tan Seng Chuan, Immediate Past President FEIAP; Dr Paul Mitchell, FEIAP Executive Committee Member from Engineers Australia; Mr Chong Kee Sen, FEIAP Executive Committee Member from The Institution of Engineers, Singapore (IES); Mr Tri Wahyu Widodo (on behalf of Mr Heru Dewanto, FEIAP Executive Committee Member from Persatuan Insinyur Indonesia (PII); Mr Hashimoto Yoshihei, FEIAP Executive Committee Member from The Institution of Professional Engineers Japan (IPEJ); Dato Ir. Lim Chow Hock, Ir. Prof (Dr) Jeffrey Chiang Choong Luin, Ms Beng Ean Ooi and Ms Cik Ruwaida Al-Rahman from Secretariat of The Institution of Engineers, Malaysia (IEM); Mr Michael Michaud from American Society of Mechanical Engineers (ASME); Mr Kam Kim Ho and Mr Ter-Chyuan Yu from Chinese Institute of Engineers (CIE), Taiwan; Mr Andrew M Wo and Mr Tsing I. Fah from The Institute of Engineering Education, Taiwan (IEET); Mr Benedict T Mick and Mr Joseph Hamylton Obe from The Institution of Engineers, Papua New Guinea (IEPNG)

From The Institution of Engineers (India), Mr S S Rathore, President; Mr Madan Lal, Past President; Mr G Prabhakar, Chair, FEIAP Standing Committee on ICT and Past President; Mr S L Garg, Immediate Past President; Maj Gen R K Sanan, VSM (Retd), Secretary and Director General; and Mr Anoop Kumar, Deputy Director, International Cell, participated in the event.



***21<sup>st</sup> General Assembly of FEIAP in progress.***

The FEIAP General Assembly deliberated, in detail, the status of Annual Subscription from Member Economies; status of existing Member Economies, namely, The Institution of Engineers, Mauritius (IEMauritius); Board of Engineers, Cambodia (BEC); Laos Union of Science and Engineering Associations (LUSEA); The Institution of Engineers, Bangladesh (IEB); Viet Nam Union of Science and Technology (VUSTA); The Fiji Institution of Engineers (FIE); American Society of Mechanical Engineers (ASME); and Philippines Technological Associations (PTC) and also requests for obtaining FEIAP Membership as received from The Institution of Engineers, Pakistan (IEP); College of Engineers, Peru (COP) and Association of National Engineers of Timur Leste (ANETL). Amendments adopted to the FEIAP Constitution; Reports on the meetings of FEIAP Standing Committees and Work Group held on the previous day; Reports from FEIAP Fund Raising Task Force, Special Committee on International Convention and Distinguished Lecture, and FEIAP Foundation; Financial Statement and Budget of FEIAP; International Activities; Post-facto Ratification of FEIAP Engineer of the Year Award 2013 along with the Nomination Process for the 2014 Award; Election of Office-Bearers; Affirmation of the composition of FEIAP Executive Committee; Re-Affirmation of Chairmanship of various Standing Committees and Working Group; Dates and Venue for the forthcoming 5<sup>th</sup> FEIAP Executive Committee Meeting in November 2013 at Jakarta (Indonesia) and 22<sup>nd</sup> FEIAP General Assembly in May-June 2014 at Beijing / Shanghai (China).

The 21<sup>st</sup> FEIAP General Assembly finally culminated at 1915 hrs with on-the-record thanks and appreciation to The Institution of Engineers (India) by Dato Ir. Prof (Dr) Chuah Hean Teak, President of FEIAP, for hosting this prestigious event in a befitting manner.

### **10 - 11 May 2013**

Over these two days, engineering experts drawn from all over the country presented a total of 25 technical papers during seven Technical Sessions held on varied topics and chaired by eminent personalities, details of which are as follows.

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Technical Session I on the topic “Technological Innovation vis-à-vis Business Centric Development”, chaired by Mr C G Balaji, Outstanding Scientist and Associate Director, DLRL, Hyderabad; Technical Session II on the topic “Excellence in Engineering for Sustainable Growth”, chaired by Mr C Radhakrishna, Director (Projects), A P Genco; Technical Session III on the topic “Innovations for Integrated Development”, chaired by Dr P G Sastry, former Chairman, Committee for the Environmental Clearance of Irrigation and Hydro Power Projects and Director & Head (L & D), Ramky Group; Technical Session IV on the topic “Importance of Values and Ethics”, chaired by Dr P N Murthy, Chairman (R & D), Society for Energy, Environment and Development, Hyderabad; Technical Session V on the topic “Poverty Eradication through Sustainable Development”, chaired by Mr C L N Sastry, Advisor (Water Resources), Engineering Staff College of India (ESCI), Hyderabad; Technical Session VI on the topic “Institutional / Organizational Commitment for Sustainable Development”, chaired by Mr A K Khan IPS, Vice Chairman and Managing Director, Andhra Pradesh State Road Transport Corporation (APSRTC), Hyderabad; and Technical Session VII on the topic “Community Participation for Holistic Approach to Combat Disasters”, chaired by Mr Anurag Sharma IPS, Commissioner of Police, Hyderabad.

The Valedictory Function was held on 11 May 2013 at 1200 hrs. Mr Ponnala Lakshmaiah, Minister for Information Technology and Communications, Government of Andhra Pradesh, graced the function as the Chief Guest. Mr Lakshmaiah, in his Valedictory Address, opined that the aspect of sustainable development should be a prime area especially for our economy. “There is a growing middle-income population over the last decade. With growth in service industry, there has been a sudden surge in the middle-class segment. There is a huge increase in the utilization of mobile phones. People are now opting for better and nutritious food. They are tending towards a more luxurious life”, the IT Minister mentioned. He added that with this kind of development we see today, technology should take a higher seat and engineers should be focussed on designing solutions that are eco-friendly in nature. Mr Lakshmaiah further highlighted the greater need for tapping the solar energy in the present energy scenario.



***Mr Ponnala Lakshmaiah addressing the audience at the Valedictory Session.***

The Chief Guest of the Valedictory Function also presented the mementos to the Sponsors of the event, Members of various Functional Committees and the Staff Members of the Andhra Pradesh State Centre of IEI, who contributed their might towards the success of the event.



Prof Rameshwar Rao, Vice Chancellor, Jawaharlal Nehru Technological University (JNTU), Hyderabad, was also present at the Valedictory Function as the Guest-of-Honour. While addressing the gathering, Prof Rao exhorted upon all concerned to improve the quality of engineering education so as to meet the emerging demand of the employers in various sectors. He further gave a brief account of the chronological development of the engineering education in our country and appealed to the engineering fraternity to make it more practice-oriented.



***Prof Rameshwar Rao addressing the gathering at the Valedictory Session.***

Dr S Satyanarayana, Co-Chairman, Technical Events Committee for the event, presented the Draft Recommendations of the Conference, which were intended to be forwarded to the concerned Departments of the Union Government. Earlier, Mr G Prabhakar, Past President, The Institution of Engineers (India) and Chairman, Organizing Committee for the event, welcomed the gathering. Mr G Sudhakar, Chairman, Andhra Pradesh State Centre of IEI, also spoke on the occasion. Finally, Dr P L Panda, Acting Honorary Secretary, Andhra Pradesh State Centre of IEI, proposed a Vote of Thanks.

With this, the three-day FEIAP Convention and the International Conference culminated successfully, which was witnessed by about 180 Indian Delegates and 20 International Delegates and received wide appreciation and acclaim from all quarters.

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