

# **The Yangon Declaration**

**on**

## **ASEAN Engineers in Integrated Solutions for Energy, Transport and Infrastructure**

**CAFEO 32 (10-13 November 2014) Yangon, Myanmar**

Fifty speakers, and more than three hundred engineers and engineering academicians from over ten countries came together for the Conference of ASEAN Federation of Engineering Organisations (CAFEO) organized by the Myanmar Engineering Society. The Conference was held with support from the ten (10) ASEAN national engineering organisations namely Persatuan Ukur, Jurutera dan Arkitek (PUJA), Brunei, Board of Engineers, Cambodia (BEC) Cambodia, Persatuan Insinyur Indonesia (PII), Indonesia, Laos Union of Science and Engineering Association (LUSEA), Laos PDR , The Institution of Engineers, Malaysia (IEM), Myanmar Engineering Society (MES), Philippine Technological Council (PTC), The Philippines, The Institution of Engineers, Singapore (IES), The Engineering Institute of Thailand (EIT), and Vietnam Union of Science & Technology Association (VUSTA), under the auspices of ASEAN Secretariat.

The **ASEAN engineers** representing the ten (10) ASEAN national engineering organisations in ASEAN, gathered in Yangon, Myanmar for the 32nd CAFEO, (CAFEO 32) under the theme : "Integrated Solutions for Energy, Transport and Infrastructures". Having discussed during the Convention; which, among others, included: Rural electrification development, engineering and technology for infrastructure development, engineering education for young and female engineers, Research and Innovation, with particular emphasis on the development of IT infrastructures young and female engineers and that professional ASEAN Engineers shall endeavour to be in conformity to international engineering professional practice benchmark; ASEAN Integration; Energy & Infrastructure Development; Attaining Sustainable Economic Growth; Poverty Alleviation; Engineering, the engine of growth for the Region's Economy; etc.

The objective of CAFEO was to create awareness and understanding on the importance of finding solutions for energy, transport and infrastructure issues and the need to enhance engineering education worldwide with its latest trends so that the above can be realized. The new millennium will require engineering institutions and education reforms. CAFEO 32 has attained a milestone as it is brought together national engineering organisations, engineers, academicians, technopreneurs and experts that represent at least 20 over million engineers from all ASEAN, ASIA and the Pacific to share and exchange information on the need for infrastructure development not only in transportation but in various other aspect to improve the quality of living standards in ASEAN and emphasise on the need for more skillful training of the professional engineers

## DECLARATION

**MINDFUL** that world in which we live today has become complex and is facing severe challenges; that the environment continues to deteriorate; that there are more frequent and devastating natural and man-made disasters; that there is mass depletion of natural resources;

**HEEDFUL** that our current model of development poses significant challenges when it comes to achieving a more just society based on respect for nature and human rights, and demands a fairer economy and greater solidarity towards different cultures and future generations;

**AWARE** that the world and its cultures need a different kind of engineer – the “UNIVERSAL ASEAN ENGINEER” - one who has a long-term, systemic approach to decision-making, one who is guided by ethics, justice, integrity, equality and solidarity, and has a holistic understanding that goes beyond his or her own field of specialisation; one who is acceptable the world over;

**CONSCIOUS** that resources are depleting and engineers has a vital role to play in facing today’s challenges, for building a better world and essential for achieving sustainable development and social progress; maintain social cohesion, reduce poverty and promote peace and understanding;

**ASEAN Economic Community (AEC)** shall be the end-goal of ASEAN Economic Integration (AEI) as outlined in the ASEAN Vision 2020 and that the AEC **will result in ASEAN becoming a single market and production base**, turning the diversity that characterises the region into opportunities for business complementation making the ASEAN a more dynamic and stronger segment of the global supply chain and the world economy; and further

**RECALLING** that the AFEO Governing Board at their meeting in Yangon, Myanmar, 10 years ago on 19<sup>th</sup> December 2004 laid down a global challenge to promoting greater public welfare, safety, health and sustainable development; developing engineering capabilities in ASEAN; providing more competitive engineering services and products and advancing collective views on enhancing two way mobility in engineering practices beyond the ASEAN region.

## **WE HEREBY DECLARE THAT**

The Engineers of today and tomorrow must:

- 1.0 Initiate and promote the branding of the professional engineering services, integrated engineering services and education to accelerate the achievement of these goals.
- 2.0 Possess universal skill for international mobility and alertness towards overcoming natural disaster and/or unethical practices of the profession;
- 3.0 Be creative, innovative, and market ready.
- 4.0 Have high moral fibre, ethics and integrity
- 5.0 Adapt their design and work to address the issues of sustainable lifestyles, resource efficiency, pollution prevention and waste management.
- 6.0 Be more “society-conscious” i.e. understand how their work interacts with society and the environment, locally and globally, in order to identify potential challenges, risks and impacts.
- 7.0 Participate actively in the discussion and definition of economic, social and technological policies, to help redirect society towards sustainable development.
- 8.0 Apply professional knowledge according to universal values and ethics.

## **TO ACHIEVE THE ABOVE:**

- All ASEAN Engineering Organizations must be :
  - All-inclusive and not exclusive
  - Multi-disciplinary
  - Multi-level
  - Multi-national
  
- Sustainable support must:
  - Have an integrated approach to knowledge, attitudes, skills and values.
  - Stimulate creativity and critical thinking.
  - Raise awareness on the need to address issues on renewable energy, conservation, green energy, and sustainability.
  - Teach about harmonising development with environmental goals.
  - Encourage reflection and self-learning.
  - Increase awareness about the need to safeguard the environment
  - Show ways of incorporating the framework of sustainable development into mainstream development planning.
  - Raise awareness for the challenges posed by globalisation.
  - Give more emphasis on ethics and integrity through seminars, talks & workshops.
  - Be structured with a view to ultimately eradicate bad behaviour and corruption amongst engineers.
  - Benchmarking with the global best.

## **CALL TO ACTION**

We, the member organisations of ASEAN Federation of Engineering Organisations (AFEO) commit ourselves in this 2<sup>nd</sup> Yangon Declaration and issue a call on engineers within the ASEAN, all local universities, engineering organisations and international bodies to acknowledge and adopt the actions stated in this declaration.

Done in Yangon, Union of Myanmar, on the 12<sup>th</sup> day of November in the Year Two Thousand and Fourteen.

**SO RESOLVED AND AGREED BY:**



U Win Khaing  
The Chairman of AFEO



Ir. P. E. Chong  
The Secretary General of AFEO



Y.B Hj Zulkipli bin Hj Abd Hamid  
PUJA (Brunei Darussalam)



H.E. Lim Sothav  
BEC (Cambodia)



Ir. Bobby Gafur Umar, MBA, IPM  
PII (Indonesia)



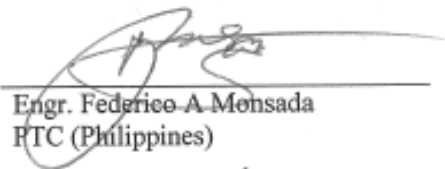
Ir. Somphone Phanousith  
LUSEA (Lao PDR)



Dato Ir. Lim Chow Hock  
IEM (Malaysia)



U Win Khaing  
MES (Myanmar)



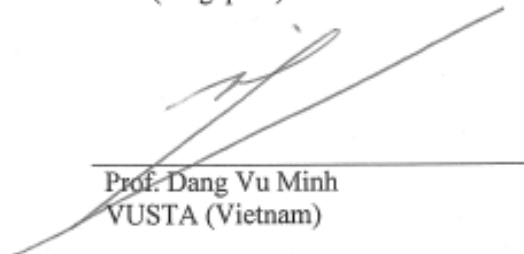
Engr. Federico A. Monsada  
RTC (Philippines)



Er. Chong Kee Sen  
IES (Singapore)



Prof. Dr. Suchatvee Suwansawat  
EIT (Thailand)



Prof. Dang Vu Minh  
VUSTA (Vietnam)