

World
Engineering
Forum
2012



Sustainable Construction for People



Ljubljana, Slovenia, 17 - 21 September 2012

www.wef2012.si

World Federation of Engineering
Organizations
Energy Committee Annual Meeting
16th September 2012



Energy Committee

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Overview

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Overview

1. Mission

To provide the engineer with updated, unbiased and reliable information on the feasibility of the different energy technologies based on scientific principles, engineering criteria and demonstrated technological development.

2. Vision

To become the engineering reference for assessing the feasibility of current and cutting edge energy technologies for sustainable development.

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Basic Considerations

There is a need for the engineer to access reliable and updated information on sustainable energy on which his/her advice will be sought by the policy-maker.

The engineer is by education and qualification, the best suited professional to answer questions related to technical and economic feasibility on energy matters of significance to society. The engineer has the unique capability to advise on

- Whether proposed solutions are feasible or not, and
- Providing educated estimates of when solutions are expected to be feasible.

The Energy Committee is the institutional body within WFEO performing the function of gathering sound information on energy issues that is technically updated, globally wide-ranging and economically unbiased.

Objectives

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The Energy Committee has the mission of:

- Analyzing and assessing engineering issues related to the supply and use of energy with a view on sustainable development;
- Advising WFEO on ways and means to deal with the problems related to the supply and use of sustainable energy;

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- Analyzing and assessing engineering issues related to the supply and use of energy with a view on sustainable development;
- Advising WFEO on ways and means to deal with the problems related to the supply and use of sustainable energy;
- Gathering and disseminating information on the state-of-the-art of different energy options, including their technical and economic feasibility based on engineering criteria and technological maturity, and
- Helping engineers to receive updated, reliable information on advantages and disadvantages of the different energy sources for them to advice on energy policy-making decisions.
- Advising WFEO on ways and means to deal with the problems related to the supply and use of sustainable energy;
- Gathering and disseminating information on the state-of-the-art of different energy options, including their technical and economic feasibility based on engineering criteria and technological maturity, and
- Helping engineers to receive updated, reliable information on advantages and disadvantages of the different energy sources for them to advice on energy policy-making decisions.

Working Program

The next four year plan for the Committee on Energy is to build on the excellent work completed over the previous eight years by Brazil and advance the good reputation of the Committee. The Committee has demonstrated its value to the world engineering communities by producing Reports on the Feasibility Conditions of Energy Options.

Currently there are two Task Groups finishing their studies for Solar Energy and Biomass Energy. If these reports are not completed during Brazil's tenure, the US will work with each Task Force to assist in completing this work and meet the high standards set by Brazil.

The next steps include launching and completing studies for Urban Waste, Hydrogen Utilization, Tidal Power, Carbon Capture Technologies and others that will be identified by the Committee over the course of the next four years. One of the realized visions of the Committee is the International Conference on "Engineering for Sustainable Energy". The first one of the series was held in 2007 in Rio de Janeiro with the second planned this July in Rio de Janeiro. The third has been planned for 2013 in China. As the US takes on the Committee leadership in September we would work diligently to fulfill the Committee's vision and the continued support of this worthwhile goal.

Other items on the Committee's to do list are; Superconductor technologies for power transmission; Energy storage devices/systems; Analysis of energy resource estimation methodologies; and Near-term demand and supply. US will work to mature these ideas into a clear vision and action plan as we move forward.

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Structure

The Standing Committee on Energy was created by the WFEO General Assembly in Tunis, Tunisia, on October 16, 2003. WFEO entrusted FEBRAE, the Brazilian Federation of Engineering Associations, to host this Committee in Rio de Janeiro, for the 2003-2007 period, under the chairmanship of Engr. Jorge Spitalnik. The WFEO General Assembly held in New Delhi, India, November 15-16, 2007, approved to maintain the Committee under FEBRAE responsibility for a second period of four years (2008-2011) and re-elected its Chair.

The Committee consists of a Chairman and six regional Vice-Chairmen representing: North America, Asia/Pacific, Latin America, Europe/Russia, Mid-East/S. Central Asia, and Africa.

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Energy for All Position Paper

SEPTEMBER 3, 2012 - FOR SLOVENIA MEETING DISCUSSION

Energy for All

Energy-Water Nexxus Position Statement Released from ASME

JULY 17, 2012 -

ENERGY-WATER NEXXUS POSITION STATEMENT RELEASED In late June, the ASME Board on Government Relations and the ASME Center for Research and Technology released a position statement on the energy-water nexus. In the paper, the two ASME entities, “recommend the development of a national policy that addresses the interdependencies of reliable sources and efficient uses of [...]”

Mission/Vision/Next Four Years

JULY 5, 2012 -

WFEO COMMITTEE ON ENERGY Mission: to provide the engineer with updated, unbiased and reliable information on the feasibility of the different energy technologies based on scientific principles, engineering criteria and demonstrated technological development. Vision: to become the engineering reference for assessing the feasibility of current and cutting edge energy technologies for sustainable development. The [...]

Email to all Energy Committee Members and Task Force

JUNE 29, 2012 -

Sam Grossman, Chair

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BIT's 2nd New Energy Forum 2012

JUNE 29, 2012 -

BIT's 2nd New Energy Forum-2012 (Joint with World Sustainable Energy Conference) Theme: A Road Map Towards 2020 Time: Oct.19-21, 2012 Venue: Guangzhou Baiyun International Convention Center, Guangzhou, China Website: <http://www.bitcongress.com/nef2012/> Dear Tahani Youssef , I am Ms. Lydia Liu, the Program Coordinator of BIT's 2nd New Energy Forum (NEF-2012), Oct.19-21, 2012 at Guangzhou,China. [...]

Energy Committee Meeting in Slovenia

JUNE 29, 2012 -

Energy Committee will be meeting in Ljubljana, Slovenia on the 16th of September between 0900-1300 hours. Location will be announce in 2012 World Engineering Forum Program as details are finalized. The Committee will review current committee work scope and will plan the next three years of activities.

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Energy for All

SEPTEMBER 3, 2012 - SAM GROSSMAN

For discussion at Slovenia Meeting if Energy Committee should ask WFEO to support



Energy for All

SEPTEMBER 3, 2012 - SAM GROSSMAN

To be discussed at Slovenia Meeting if Energy Committee will recommend WFEO support.



2012 Roster for WFEO Energy Committee Jul2012

JULY 17, 2012 - SAM GROSSMAN



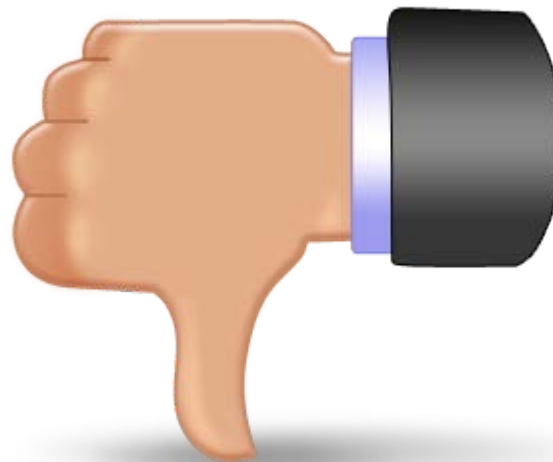
Nuclear Power Feasibility - 2007

JULY 7, 2012 - SAM GROSSMAN

Feasibility Report on Nuclear Power published in 2007

Energy for All

- ..\..\Energy\2012\sefa_18june.pdf
- Energy STC Endorse and submit to WFEO for Endorsement



Energy for All

- Endorsements
 - Nigerian Society of Engineers
 - Engineering Institutions of the United Kingdom
 - Colegio de Ingenieros del Perú
 - Engineering Council of Zimbabwe
 - Ingénieurs et Scientifique de France
 - Government of Ghana
 - General Union Of Palestinian Engineers and Engineers Association - Jerusalem Centre
- Submitted for Endorsement
 - China
 - Engineers Australia

SOLAR ENERGY TASK GROUP

- [Proposal of Solar Group work-21-07-12.doc](#)
- [Proposal of Solar Energy Brochure-07-12.doc](#)
- [Proposal of Solar Energy Brochure\(2\) 17-01-11.doc](#)
- [Proposal of Solar Energy Brochure 12-12-10.doc](#)
- Endorsed by Energy STC

2013-2015 Workplan Energy STC

