Dear participants of the World Engineering Forum – WEF 2012,

Welcome to Ljubljana, the capital of Slovenia, where over the next two days 60 eminent speakers from more than 30 countries around the world will present the latest approaches to sustainable construction and develop new ideas for the green economy. The World Federation of Engineering Organisations (WFEO) with more than 90 national members and the Slovenian Chamber of Engineers are together hosting over 600 guests from all continents.

The objective of the Forum on Sustainable Construction for People is to bring the profession, the economy and politics together in order to help rebalance the building sector that is currently facing one of the toughest crises in history. In the decades to come, the main design and construction development challenge will be characterised by a shortage of energy and water. I believe that engineers possess all necessary competencies and ideas that will ensure a safe, clean and healthy future for our planet.

The International Advisory Board selected speakers for the four forum sessions: Cities and Urban Environment, Sustainable Infrastructure, Green Buildings and Disaster/Risk Management. The most relevant conclusions of the WEF 2012 topics will be added to the declaration of the Rio +20 - WFEO Seminar on Sustainable Communities and a common statement will be formulated and presented at the Closing Ceremony of the forum. On the next day it will be formally approved by the WFEO Executive Council.

Respected participants of the World Engineering Forum 2012, in the name of the organiser, the Slovenian Chamber of Engineers, I wish you all successful work, fruitful discussions and a pleasant stay in Ljubljana, one of the most beautiful cities in the world.

Ljubljana, September 2012

mag. Črtomir Remec
President of the Slovenian Chamber of Engineers
President of the WEF 2012 Organising Committee

In co-operation with:
WCCE | ECEC | ECCE | Green Building Council Slovenia | Slovenian Academy of Engineering | Association of Engineering Societies in Slovenia

Supporting Partners:
Engineers Chamber of Montenegro | Serbian Chamber of Engineers | Croatian Chamber of Civil Engineers | Chamber of Certified Architects and Engineers of Macedonia | Trimo, d.d. | Hidria, d.d. | Slovenian National Building and Civil Engineering Institute | Aerodrom Ljubljana

Sponsors:
Organised by:
Slovenian Chamber of Engineers | World Federation of Engineering Organisations

Patrons:
UNESCO | President of the Republic of Slovenia, Dr. Danilo Türk | The City of Ljubljana

2012 World Engineering Forum: Sustainable Construction For People

Programme - Overview

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Sponsor:
PROGRAMME IN DETAIL

Wednesday, 19 September 2012

09:00 - 10:00

Sustainable Infrastructure

Chair: Prof. Dr. Branko Zadnik, Slovenia

Dr. Mohamed El-Nabulsi, U.S.A.

Sustainable and Renewable Infrastructure and Recycling: A New Paradigm for Quality of Life

Dr. M. Ahmad, Singapore

The Role of Nano-Technology in Sustainable Cities

Dr. A. M. Z. Tan, Malaysia

Building and Green Economy

Chair: Prof. Dr. Marko Umberger, Slovenia

Prof. Dr. Benoît Guedee, Belgium

Green Buildings: Towards a Paradigm Shift in Built Development Approach

Prof. Dr. Geo M. Matar, Egypt

Green Building Rating Systems, Sustainability & Standardisation of Practice

Barry Lynham, Belgium

Dr. Roumiana Zaharieva, Bulgaria

Integration of Nearly Zero Energy Buildings in Sustainable Networks - a Challenge for Sustainable Economic Development

Prof. Abubakar Sani Sambo, Nigeria

Estimation of Energy Demand in the Building and Construction Section of the Nigerian Economy

Prof. Mauricio Porraz, Mexico

Waste as a Resource in Building and Civil Engineering - the Current Situation in Slovenia

Dr. Ana Mladenović, Slovenia

Sustainable Engineering for Extreme Environments – Earth & Space

Prof. Dr. Daniel Favrat, Switzerland

Efficient Energy Systems for Buildings and Cities

Robert Smodiš, Slovenia

Camilo Santamaría-Gamboa, Colombia

Er. Seng Chuan Tan, Singapore

A Singapore Story: From Concrete Jungle to Liveable City

Sustainable Multigenerational House as a Response to Global Urbanisation

Dr. Strahinja Trpevski, F.Y.R.O.M.

Prof. Dr. Daniel Favrat, Switzerland

Cities and Urban Environment

Chair: Prof. Dr. Ivan Gregorc, Slovenia

Dr. Meenakshi Tandon, India

Horizon 2020:2027 - The Future of EU Energy Research

Alfred Panza, Spain

Carlos Tello, Spain

Sustainable Infrastructure: Towards a Paradigm Shift in Development Approach

Prof. Dr. Nikola Marjanovic, Serbia

Dr. Marjeta gaspari, Slovenia

Dr. Goran Plasser, Austria

Prof. Dr. Teja Rodel, Slovenia

Dr. Goran Plasser, Austria

13:30 - 14:30

Green Building Systems

Chair: Prof. Dr. Marija Stajner, Slovenia

Dr. Paul Swales, Australia

Environmental Performance Indicators, what impact on the Construction Sector

Gorendal Tagab, Austria

Andrej Stanojević, Slovenia

Sustainable Urbanisation: a city for the future

Planen, Austria

Vidino Pisk, Slovenia

Sustainable Building Stock

Špela Videčnik, Partner, Ofis arhitekti

Moderator:

14:30 - 17:00

Closing Ceremony

17:00 - 18:00

World Engineering Forum: Sustainable Construction for People