ROLE OF ENGINEERING TOWARDS A BETTER ENVIRONMENT

(Environmental Road Map from Dream to Reality)

Program

December 22-24, 2012
Helnan Palestine Hotel, Montaza Palace
Alexandria, Egypt.
The Faculty of Engineering Alexandria University
Takes the pleasure of organizing its 9th International Conference

ROLE OF ENGINEERING TOWARDS
A BETTER ENVIRONMENT
(Environmental Road Map from Dream to Reality)

RETBE'12
Under the Auspices of

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PREFACE

INTRODUCTION & BACKGROUND

• We now stand at an environmental policy crossroad: one fork leads to a safer, healthier and cleaner environmental future; the other to a cul-de-sac characterized by reliance on antiquated and costly environmental choices.
• Challenges for a safe roadmap to environmental security in terms of multiple risks, scales, and actors can best be achieved if we choose to cooperate in all fields of engineering.
• Realizing the vital importance of such challenges the Faculty of Engineering, Alexandria University, is hosting its 9th International Conference "Role of Engineering towards A Better Environment RETBE 12". The theme of the conference this year will be "Environmental Road Map: From Dream to Reality". The conference will take place on December 22-24, 2012, in Alexandria, Egypt. It continues to uphold the mission of its preceding successful conferences that started about 15 years ago, by a series of successful REBTE conferences emphasizing the challenges facing the environment and the need to innovative environmental actions and policies.
• The conference compares Business as Usual (BAU) scenarios with Green Environment Vision (GEV) scenarios, contrasting the economic, public health reliability and environmental impacts of engineering development paths.
• This conference will convene leading scientists and engineers to address and advance the environmental security agenda in different fields of engineering and build partnerships across theory, policy and practice, moving from dream to reality.
CONFERENCE OBJECTIVES

The main objectives of RETBE’12 are:
• To discuss the environmental impact of global warming and climate changes especially sea level rise.
• To address environmentally sound water resources issues.
• To initiate environmental policies considering the needs of introducing nuclear and renewable energy sources.
• To promote creative ideas in urban planning; buildings and construction; and land use management.
• To enhance the well-being for all people through addressing issues of environmental technology and sustainable environment.

MAIN TOPICS OF THE CONFERENCE

Participants are invited to submit papers in the main conference topics which include but are not limited to:
1- Renewable Energy Technology and their Applications.
2- Water Resources.
3- Waste to Resources.
4- Urban Planning and Transportation.
5- Resources: Planning, Management and Assessment.
6- Education Innovation.
7- Nuclear Safety.
8- Nano Technology.
9- Green ICT.
10- Intelligent Construction (Safety VS. Hazard).
11- Carbon Capture and Storage.
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<td>ENVIRONMENTAL IMPACT OF SEA LEVEL RISE ON THE LOW LAND OF THE NILE DELTA. Authors: M. Moawad A. Hassan M. Abd El-Mooty</td>
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<td>NUMERICAL MODELING OF WAVE PROPAGATION AND PROTECTION STRUCTURES AT EGYPTIAN COASTS. Authors: D. Saleh M. Abd El-Mooty</td>
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<td>ANALYTICAL SOLUTION OF EARTH DAM WITH UPSTREAM BLANKET. Authors: M. Abd El-Razek M. Rezk Abdel-Aziz A. A. Senoon</td>
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<td>- PROGRESS TOWARDS AN ENVIRONMENTALLY SOUND SHIP RECYCLING. Authors: Y. Welaya M. Abdel Naby M. Tadros</td>
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<td>- VOLUME FLOW RATE ASSESSMENTS FROM VORTEX SHEDDING. Authors: R. Afify K. Elshorbagy E. Wahba</td>
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<td><strong>Urban Planning and Transportation</strong></td>
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<td>• NANOARCHITECTURE AND GLOBAL WARMING. Authors: O. Omar M. Ibrahim</td>
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<td>• A REVIEW OF URBAN COMPUTING ENVIRONMENT: PROVIDING A BETTER LIFE IN CITIES AND A BETTER CITY FOR LIVES. Authors: M. Talal D. Taha</td>
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<td>• PROMOTING SUSTAINABLE URBAN DEVELOPMENT AND TRANSIT ORIENTED DEVELOPMENT TOD TOWARDS CREATING NEW EGYPTIAN URBAN DNA. Authors: M. Youssef</td>
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<td>• SUSTAINABLE TOURISM: EMOTIONAL MAPPING MODEL FOR UNDERSTANDING TOURIST EXPERIENCE AND BEHAVIOR. A CASE STUDY OF THE TURKISH TOWN, ALEXANDRIA, EGYPT. Authors: M. Talal, D. Taha</td>
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