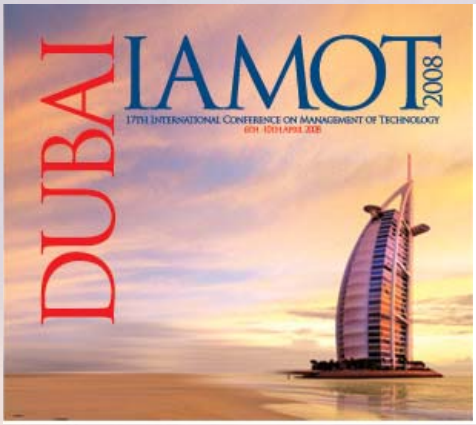

"Creating and Managing a Knowledge Economy"

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هيئة آل مكتوم الخيرية
Al Maktoum Foundation

IAMOT 2008 Keynote Speaker

Dubai International Convention and Exhibition Centre on April 6th – 10th 2008

Hosted by British University in Dubai

Under the Patronage of
H.H. Sheikh Ahmed Bin Saeed Al Maktoum

Dr. Osman Ahmed
Head of Engineering,
Siemens Building Technologies
USA

Biography

Dr. Osman Ahmed, Ph.D., P.E.

Dr. Osman Ahmed currently heads the Global Research and Innovation group at Siemens Building Technologies (SBT). He is responsible for overall technology and innovation management for building comfort segment of SBT, a global group company of Siemens AG, with annual revenue close to Euro 6+ billion.

He has been with the company for more than 20 years with a total industry experience of 27 years. He is a serial and successful corporate innovator and a techno-preneur. He focuses on emerging technologies and business models for the creation of corporate assets- both intellectual and capital. He served as the principal architect in establishing technology management organization within SBT and implemented several successful programs to foster innovation. Besides his organizational responsibility, Dr. Ahmed currently leads revolutionary Microsystems technology commercialization and business development program. He also leads in defining and implementing a

roadmap for building innovation that focuses on green resources, indoor environment quality and by engaging a worldwide network of research and academic institutions.

He has published/presented more than 55+ technical papers worldwide. He has more than 50 patents, awarded and pending combined. Dr. Ahmed is the recipient of 2004 prestigious “Siemens Inventor of the Year” award for his work on micro-system application for buildings that has received world wide media coverage. He is a member of ASHRAE, IEEE, and ASME and serves as a member of executive board of directors of IAMOT. He has received his Ph.D degree in Mechanical Engineering from the University of Wisconsin- Madison and is a registered professional engineer in the State of Illinois.

About Keynote Address

“Green Technology and Innovation for Building Industry- what role UAE can play?”

Abstract: Global warming is an undeniable challenge for a sustainable world, and its inhabitants and environment. Currently, the building industry alone contributes to about half of all global green house gas emissions, mainly due to its voracious appetite for ever increasing demand for energy consumption and use of unsustainable sources of building materials and products. Therefore, it is safe to assume that future buildings need to be sustainable, consume less energy, be more energy efficient, and use recyclable and renewable energy sources if the world has any chances to reverse the trend of climate change. Overall, buildings need to more environmentally benign or green.

The green building awareness that is sweeping across the globe is driven by a variety of factors- the govt. regulations, corporate economics, and basic necessity to survive. However, no matter what factors drive this awareness, green buildings require enormous design creativity, technological innovation, and above-all the commitment to environmental excellence. Green technology and innovation, also creates a new economy that is more sustainable yet growth oriented. As a result, countries, businesses, and communities are creating green economic centers and hubs in order to foster creativity and promote innovation and technological advancement for sustainable building energy and environment.

This presentation will begin with a background on challenges that the current building industry faces. Next, it explores the green building innovation and technology opportunities, and finally, examines how and what roles countries like U.A.E. can play in making our world greener by implementing global open innovation network for green building.