Prof. Asad Madni 名譽博士授獎典禮暨專題演講

時間：**105 年 11 月 28 日(一)15:30~17:00**

地點：浩然圖書資訊中心 **B1 國際會議廳**

主講人**: Prof. Asad Madni** (美國國家工程學院院士暨 **UCLA** 兼任教授)

演講題目**:GRAND CHALLENGES FOR ENGINEERING PROPOSED BY THE US NATIONAL ACADEMY OF ENGINEERING**

Abstract

The US National Academy of Engineering (NAE) at the request of the National Science Foundation convened a diverse committee of experts from around the world, some of the most accomplished engineers and scientists of their generation, to identify the Grand Challenges for Engineering facing humanity. The committee proposed 14 challenges without ranking them or endorsing particular approaches to meeting them. Instead, the committee chose opportunities that were both achievable and sustainable to help people and the planet thrive. The panel's conclusions were reviewed by more than 50 subject-matter experts and the effort received worldwide input from prominent engineers and scientists, as well as from the general public. This talk will provide an overview of the 14 Grand Challenges ranging from making solar energy economical to providing access to clean water, and from advancing health informatics to engineering the tools of scientific discovery.

報名網址**: https://goo.gl/forms/lnBh8FgkrXOCoC1N2**

~敬邀出席~

講者簡介

Dr. Asad Madni served as President, COO & CTO of BEI Technologies Inc. from 1992 until his retirement in 2006. He led the development & commercialization of intelligent micro-sensors, systems, and instrumentation for which he has received worldwide acclaim. Prior to BEI he was with Systron Donner Corporation for 18 years in senior technical & executive positions, eventually as Chairman, President & CEO. Here, he made seminal and pioneering contributions in the development of RF & Microwave Systems & Instrumentation which significantly enhanced the capabilities of the US Tri-Services. He is currently, an Independent Consultant, Distinguished Adjunct Professor/Distinguished Scientist at UCLA, Distinguished Professor at TCI College of Technology, Adjunct Professor at Ryerson University, and Executive Managing Director & CTO of Crocker Capital

He received an A.A.S. from RCA Institutes Inc., B.S. & M.S. from UCLA, Ph.D. from California Coast University, S.E. from MIT Sloan School of Management. D.Sc. (H) from Ryerson University, D.Eng. (H) from Technical University of Crete, Sc.D. (H) from California State University/CSUN, and PhD (H) from Universiti Kebangsaan Malaysia (The National University of Malaysia). He is also a graduate of the Engineering Management Program at California Institute of Technology, the Executive Institute and Director's College at Stanford University, and the Program on Negotiation for Senior Executives at Harvard University Law School. He is credited with over 170 refereed publications, 69 issued or pending patents, and is the recipient of numerous national and international honors and awards including, IET (UK) J.J.Thomson Medal, IEEE Millennium Medal, TCI College Marconi Medal, UCLA Professional Achievement Medal, IEEE AESS Pioneer Award, IEEE HKN Eminent Member Award, IEEE IMS Career Excellence Award and Tau Beta Pi Distinguished Alumni Award. In 2011 he was elected to the US National Academy of Engineering *"for contributions to development and commercialization of sensors and systems for aerospace and automotive safety"*. In 2014 he was elected a Fellow of the National Academy of Inventors *"for demonstrating a highly prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and the welfare of society"*. He is a Fellow/Eminent Engineer of 14 of the world's most prestigious professional academies and societies and has been awarded three honorary professorships.