

4th WIEF-UiTM Global Discourse



4th WIEF-UiTM Global Discourse on Nanotechnology

**14th October 2011, Friday
9am - 1pm
Conference Hall 1, Level 3, Kuala Lumpur Convention Centre**

Programme

- 9.00 am Arrival of Guests & Registration
- 9.30 am Welcoming Remarks by Tun Musa Hitam, Chairman, WIEF Foundation
- 9.40 am Special Address by Dr. Savas Alpay, Director General, Statistical, Economic & Social Research and Training Centre for Islamic Countries (SESRIC), Turkey on “**Current Stance of Science and Technology in OIC Countries**”
- 10.00 am Keynote Address on “**Nanotechnology: Engineering a Better Future**” by Dr. Mehmet Bayindir, Deputy Director, UNAM - National Nanotechnology Research Center, Turkey

Commentators:

Prof Ilie C Gebeshuber, Institute of Microengineering and Nanoelectronics, Universiti Kebangsaan Malaysia & Vienna University of Technology, Austria

Prof. Jackie Y. Ying, Executive Director, Institute of Bioengineering and Nanotechnology, Singapore

Prof. Sirirug Songsivilai, Executive Director, National Nanotechnology Center, Thailand

Assoc. Prof. Dr. Mohamad Rusop, Head, NANO-SciTech Centre (NST), Institute of Science, Universiti Teknologi MARA (UiTM), Malaysia

Moderator:

Dr. Gunawan Witjaksono, Director, Photonics, Micro Energy & Green Technology, MIMOS Berhad, Malaysia

11.30am Question and Answer Session

12.00 pm Lunch/End Programme
Media Briefing/Interviews

SYNOPSIS

Nanotechnology involves the design, characterization, production and application of structures, devices and systems by controlled manipulation of size and shape at the nanometer scale (atomic, molecular and macromolecular scale) that produces structures, devices and systems with at least one novel/superior characteristic or property.

Innovations at the intersection of medicine, engineering, biotechnology, and the physical and information technology are spurring new directions in research, education, and technology transfer. Basic research in nanosciences is rapidly producing commercially viable products. Governments and industries across the globe are staking their claims by investing billions of dollars, euros and yen for research. International rivalries are growing. Political alliances and battle lines are beginning to gel.

The 4th WIEF-UiTM Global Discourse would focus on nanotechnology's interdisciplinary nature, highlighting cutting-edge R&D in nanomedicine, nanoelectronics, and nanomaterials. The discussions will explore the current factors fueling nanotechnology's growth, start-up opportunities and potential bottlenecks to viable commercialization. It will also examine predictions for future societal, environmental, ethical, and privacy issues as well as the impact of nanotechnology on the future warfare.
