

RUJUKAN: UST.100-48/

TARIKH: 08 Januari 2010

Semua Setiausaha Tetap Kementerian Negeri
Semua Ketua Jabatan Negeri
Semua Pengurusan Badan Berkanun Negeri
Semua Ketua Pengurusan Kuasa Tempatan Negeri
Semua Pegawai Daerah
Semua Penolong Pegawai Daerah, Daerah Kecil

Y. Bhg. Datuk/Datin/Tuan/Puan,

SEMINAR KESEDARAN NANOTEKNOLOGI

Dengan hormatnya, saya merujuk perkara di atas.

2. Sehubungan dengan itu, sukacita dimaklumkan bahawa Kerajaan Negeri melalui Unit Sains dan Teknologi, Jabatan Ketua Menteri dengan kerjasama SIRIM Berhad akan mengadakan Seminar Kesedaran Nanoteknologi pada ketetapan berikut:-

TARIKH : 28 Januari 2010 (Khamis)
MASA : 9.00 a.m.
TEMPAT : Auditorium Kompleks
Pentadbiran Kerajaan Persekutuan Sabah
Kota Kinabalu

3. Seminar Kesedaran Nanoteknologi ini merupakan satu platform pendedahan pengetahuan dan perkembangan revolusi mengenai nanoteknologi dan nanosains, pendedahan kepada isu-isu persekitaran serta keselamatan dan penyakit pekerjaan berkaitan nano, keperluan pengukuran, isu dan banyak lagi. Disamping itu, seminar ini akan menjadi satu media penjaring hubungan dan ikatan perniagaan di kalangan syarikat dalam dan luar negara, agensi kerajaan termasuk penggubal undang-undang, persatuan-persatuan, ahli akademik, penyelidik, pengusaha SME/SMI dan ahli-ahli professional.

4. Sukacita dengan hormatnya, Y. Bhg. Datuk/Datin/Tuan/Puan **berserta dua (2)** orang pegawai Y. Bhg. Datuk/Datin/Tuan/Puan dijemput untuk menghadiri seminar ini. Bersama-sama ini disertakan brosur seminar serta borang pendaftaran untuk makluman dan tindakan lanjut Y. Bhg. Datuk/Datin/Tuan/Puan.

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PERKARA : SEMINAR KESEDARAN NANOTEKNOLOGI

5. Untuk sebarang pertanyaan lanjut, sila hubungi Cik Noorainee Jamal (aineej@sirim.my)/
Cik Nadzilah Aiddy (nadzillah@sirim.my) di talian 088-497329 dan 088-497048.

Diharap dengan kehadiran Y. Bhg. Datuk/Datin/Tuan/Puan dalam seminar tersebut, Y. Bhg. Datuk/Datin/Tuan/Puan akan mendapat pendedahan dan maklumat yang berguna mengenai dengan teknologi nano.

Sekian, terima kasih.

“BERKHIDMAT UNTUK NEGARA DENGAN BERSIH, CEKAP DAN AMANAH “

Saya yang menurut perintah,

(**HAJAH FATIMAH HAJI JAAFAR**)

Pengarah
Unit Sains dan Teknologi

HFHJ/bk.



SEMINAR KESEDARAN NANOTEKNOLOGI
(*Nanotechnology Awareness Seminar*)

Khamis, 28 Januari 2010

Auditorium
Kompleks Pentadbiran Kerajaan Persekutuan
Negeri Sabah

ATUR CARA

- 08.30 pg – 09.00 pg : Pendaftaran
- 09.00 pg – 10.00 pg : KERTAS 1: *Pengenalan kepada Teknologi Nano dan Bahan Nano*
Dr. Abdul Kadir Masrom
Penyelidik Utama/Ketua Program
Bahan Nano
SIRIM Berhad
- 10.00 pg – 10.30 pg : Jamuan Ringan
- 10.30 pg – 11.30 pg : KERTAS 2: *Aplikasi Teknologi Nano dalam Bahan Pengguna dan Bahan Elektronik*
Prof. Uda Hashim PJK
Pegarah
Institut Kejuruteraan Electronik Nano
Universiti Malaysia Perlis
- 11.30 pg – 12.30 tgh : KERTAS 3: *Teknologi Nano: Standard dan Keselamatan, Kesihatan dan Alam Sekitar*
Prof Wan Ahmad Kamil Mahmood
Dekan
Sekolah Sains Kimia
University Sains Malaysia
- 12.30 tgh – 2.00 ptg : Makan Tengahari
- 2.00 ptg – 3.00 ptg : KERTAS 4: *Teknologi Nano dalam Makanan, Kosmetik dan Ubat - ubatan*
Prof. Madya Dr. Norziah Mohd Hani
Timbalan Dekan
Perindustrian dan Jaringan Komuniti
Universiti Sains Malaysia Penang
- 3.00 ptg – 3.45 ptg : Sesi Dialog - *Impak Teknologi Nano ke atas Sosial dan Ekonomi*
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- 3:45 ptg : Ketibaan Tetamu Jemputan
- 4.00 ptg : Ketibaan  
YB Datuk Seri Dr. Maximus Johnity Ongkili  
Menteri Sains, Teknologi dan Inovasi
- Ketibaan  
YAB Datuk Seri Panglima Hj. Musa Hj. Aman  
Ketua Menteri Sabah
- Lagu Negaraku / Lagu Sabah Tanahairku
- Bacaan Doa
- Ucapan aluan oleh  
YB Datuk Seri Dr. Maximus Johnity Ongkili  
Menteri Sains, Teknologi dan Inovasi
- Ucapan Perasmian oleh  
YAB Datuk Seri Panglima Hj. Musa Hj. Aman  
Ketua Menteri Sabah
- 5.00 ptg : Sidang Akhbar / Jamuan Ringan  
Majlis Bersurai

PENGESAHAN KEHADIRAN

**SEMINAR KESEDARAN NANOTEKNOLOGI**

**TARIKH: 28 JANUARI 2010 (KHAMIS)**

**MASA: 9.00 PAGI**

**TEMPAT:**

**AUDITORIUM KOMPLEKS PENTADBIRAN  
KERAJAAN PERSEKUTUAN NEGERI SABAH  
KOTA KINABALU**

**HADIR**

**TIDAK HADIR**

**ORGANISASI / SYARIKAT / INSTITUSI :**

**NAMA KETUA ORGANISASI / SYARIKAT / INSTITUSI :**

**WAKIL DUA ORANG ORGANISASI / SYARIKAT / INSTITUSI :**

1)

2)

Kerjasama Y.Bhg Datuk / Datin / Tuan / Puan dalam menjayakan seminar ini amat dihargai.

**SILA KEMBALIKAN BORANG INI SEBELUM 18 JANUARI 2010 (ISNIN) KE:**

**UNIT SAINS DAN TEKNOLOGI**

**JABATAN KETUA MENTERI**

**Tingkat 7, Blok B, Wisma MUIS, 88100 Kota Kinabalu**

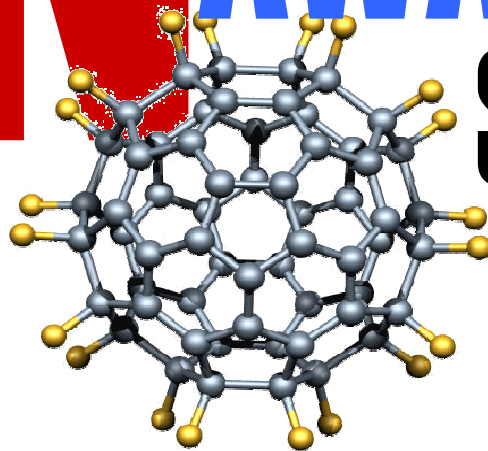
**TEL: 088 – 240430, 240317, 240449**

**FAKS: 088 – 249410**

“It is our pleasure to present the nanotechnology awareness program, tailored to educate the Malaysian society in general on topics related to this emerging technology that changes the technology landscape of the world”

**NANOTECHNOLOGY: PROMISE AND RISK**

# Nanotechnology AWARENESS Seminar



**SABAH**  
**28 January**  
**2010**

**Auditorium, Kompleks  
Pentadbiran  
Persekutuan,  
Negeri Sabah**

## TOPICAL HIGHLIGHTS:

- Nanotechnology for Developing World
- Nanotechnology Products in Market
- Nanotechnology Opportunities and Threats
- Global Harmonization of Nanotechnology Standard
- Nonmaterial's Exposure-occupational Safety and Health Rules
- Managing Nanotechnology Environmental, Occupational Safety & Health (EOSH)

ORGANISED BY



SUPPORTED BY



MANAGED BY



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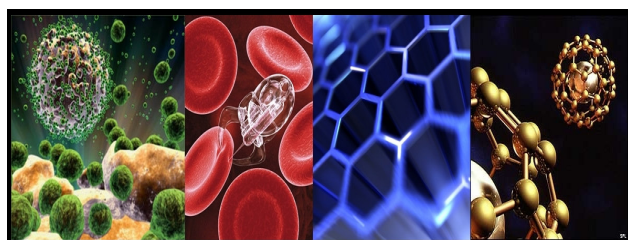
Noorainee (Sabah)  
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## INTRODUCTION

This One day program on Nanotechnology Awareness represents a new endeavor for SIRIM in playing its role as a leader in educating Malaysian public on new technology. In response to a substantial number of requests, we are beginning an exploration series of public seminar designed to provide an outline of several new technology issues with the potential for significant impact on the society, economic and environment. This seminar provides a basic knowledge and introduction of the nanoscience subjects to scientist, industrialist, non scientist base participants, government servants including regulators who are directly involved in dealing with such materials, exports and import of the nanotechnology products. The program format offers audience dialogue and a change to interact with experts in nanotechnology fields.

## WHO SHOULD ATTEND?

General public, researchers, academicians, engineers, regulators, health-care professionals, biomedical researchers, legislators, policy makers, intellectual property practitioners, etc.



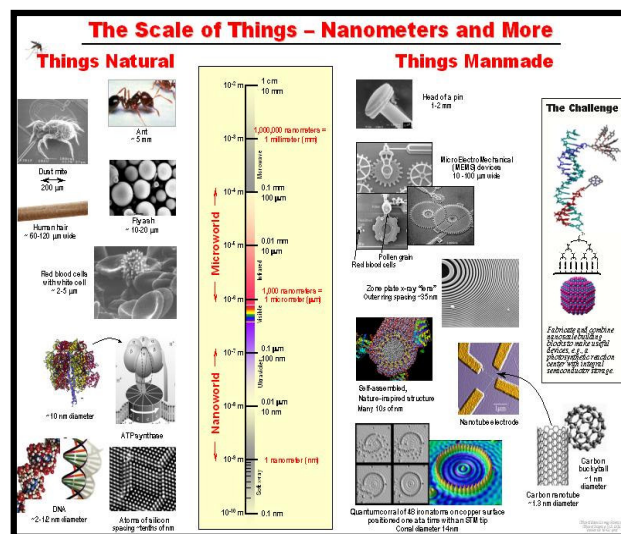
## PROGRAM

### ☞ Introduction to Nanotechnology – What Will It Mean?

The speakers will address basic introduction to nanotechnology, the meaning and definitions, review and summaries of the current state of scientific knowledge about nanotechnologies; identify the specific applications of the new technologies, in particular where the nanotechnologies are already in use; carry out a forward look to see how the technologies might be used in future, likely timescales in which the most far-reaching applications of the technologies might become reality, especially in area of nanomedicines, nanoelectronics and nanomaterials.

### ☞ Nanomaterials Handling - Environment, Occupational Safety and Health

Environmental, health and safety issues related to nanomaterials are in the news. Are products made of nanomaterials safe? Are workers who handle these materials exposed to health risks? Speaker will address the above issues by providing answers to some of these questions and explore the issues further, identifying the needs in the Nano EOSH sector and find solutions. The speakers will also discuss the environmental impacts of nanomaterials, testing and regulation of nanomaterials as 'new' chemical substances, requirement for 'reasonable' safety evaluations by manufacturers, an inventory for engineered nanomaterials, and the development of adequate information for hazard and exposure.



## KEY SPEAKERS

- Dr. Abdul Kadir Masrom** — Principal Researcher and Program Head Nanomaterials, SIRIM Berhad, Chairman WG1 National Mirror Committee ISO TC229
- Prof Dr. Wan Kamil Wan Mohamed** – Dean School of Chemical Science, USM, Penang
- Prof Dr. Uda Hashim**, PJK  
Director Institute of Nano Electronic Engineering (INEE)  
Universiti Malaysia Perlis
- Assoc. Prof. Dr. Norziah Mohd. Hani**  
School of Industrial Technology,  
Food Technology Department, USM, Penang

## WHAT WILL YOU BENEFIT?

Attendees will get a glimpse of the coming revolution in nanotechnology and nanoscience. As we enter the nanotechnology revolution in the next decade, with the field maturing and the promised breakthrough accruing, attendees will experience how the nanotechnology in the future will impact every aspect of human existence in novel and revolutionary ways. Attendees will be exposed to Nano EOSH issues, measurement needs, and get a better understanding of the challenges and issues, an exchange information with other attendees or speakers on nanotechnology benefits and risks.

## REGISTRATION

If you are interested to participate, please register by filling in the registration form attached and fax it to SIRIM Training Services Sdn Bhd. The registration form can also be downloaded at:

[www.sirim.my/sts](http://www.sirim.my/sts)