

NANOTECHNOLOGY RESEARCH WORKSHOP

Brasmana Ballroom, Kuala Perlis



DAY ONE - 6 Jan 2009

9.00 am Registration
Workshop 1
9.30 am Nanotechnology; Definations
& Applications
10.30 am Tea Break
Workshop 2
11.00 am Nanomaterials: Carbon
Nanotubes
12.00 pm Lunch Break
Workshop 3
2.00 pm Nano materials: Inorganic
Nanowires
Workshop 4
3.00 pm - Case Study: Problem Facing in
4.00 pm Nanomaterials Applications

DAY TWO - 7 Jan 2009

Workshop 5
9.30 am Nanotechnology: Applications in
Electronics & Optoelectronics
10.30 am Tea Break
Workshop 6
11.00 am Nanotechnology: Applications in
Sensors, Field Emission & Others
12.00 pm Lunch Break
Workshop 7
2.00 pm Nanotechnology
Commercialization
3.00 pm Q&A Session
4.00 pm End of Workshop

REGISTRATION

Fee is only for Workshop RM 350 (MNA members), RM 400 (non members)
Registrations should be made before 31 Dec 2009

NAME: _____

ORGANIZATION: _____

DESIGNATION: _____

ADDRESS: _____

TEL OFFICE: _____

HP: _____ EMAIL: _____

RSVP : Please fax/email your registration to : sacha@unimap.edu.my

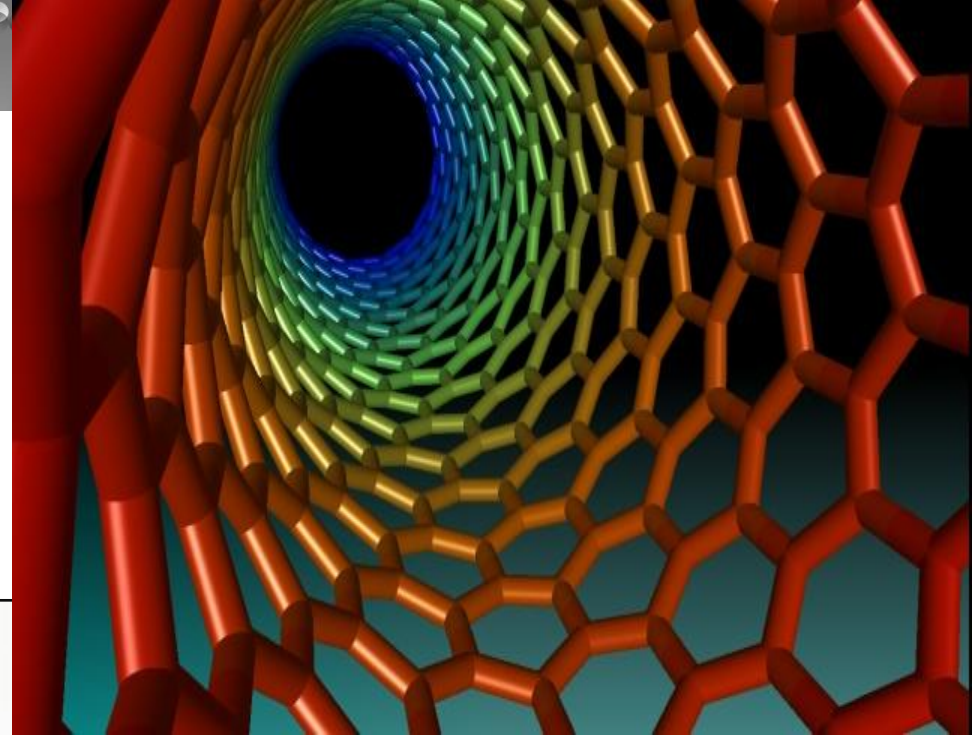
(012-5074454) F: 604.979.8578

MODE OF PAYMENT

Registration fees payment can be made by:

- (a) DIRECT BANK TRANSFER to the following account:
Beneficiary : Bendahari UniMAP
Account No : 0901-0001-2347-10
Bank Name : Bank Muamalat Malaysia Berhad
- (b) Cheques & Bank Draft should be made payable to BENDAHARI UniMAP and posted to :

BENDAHARI
Jabatan Bendahari,
UNIVERSITI MALAYSIA PERLIS
d/a Bangunan TNB Lama,
01000 Kangar, Perlis
Tel : +604-9798202
Fax : +604-9798200



Seminar & Workshop

'Nanotechnology: From Nano Structure to Systems'

5-7 Jan 2010

Organized by:



www.unimap.edu.my
INSTITUTE OF NANO ELECTRONIC ENGINEERING
UNIVERSITI MALAYSIA PERLIS
KUALA PERLIS INDUSTRIAL PARK
02000 KUALA PERLIS, PERLIS



Dr Meyya Meyyappan

Chief Scientist for Exploration Technology, Center for Nanotechnology
NASA Ames Research Center
Mailstop 229-3
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Meyya Meyyappan is Chief Scientist for Exploration Technology at the Center for Nanotechnology, NASA Ames Research Center in Moffett Field, CA. Until June 2006, he served as the Director of the Center for Nanotechnology as well as Senior Scientist. He is a founding member of the Interagency Working Group on Nanotechnology (IWGN) established by the Office of Science and Technology Policy (OSTP). The IWGN is responsible for putting together the National Nanotechnology Initiative. He is currently World Class University Distinguished Visiting Professor at Pohang University of Science and Technology (POSTECH), South Korea.

Dr. Meyyappan has authored or co-authored over 190 articles in peer-reviewed journals and made over 200 Invited/Keynote/Plenary Talks in nanotechnology subjects across the world. His research interests include carbon nanotubes and various inorganic nanowires, their growth and characterization, and application development in chemical and biosensors, instrumentation, electronics and optoelectronics.

Dr. Meyyappan is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), the Electrochemical Society (ECS), AVS, the Materials Research Society (MRS) and the California Council of Science and Technology. In addition, he is a member of the American Society of Mechanical Engineers (ASME), and American Institute of Chemical Engineers (AIChE). He is the IEEE Nanotechnology Council Distinguished Lecturer on Nanotechnology, IEEE Electron Devices Society Distinguished Lecturer, and ASME's Distinguished Lecturer on Nanotechnology (2004-2006). He served as the President of the IEEE's Nanotechnology Council in 2006-2007.

For his contributions and leadership in nanotechnology, he has received numerous awards including: a Presidential Meritorious Award; NASA's Outstanding Leadership Medal; Arthur Flemming Award given by the Arthur Flemming Foundation and the George Washington University; 2008 IEEE Judith Resnick Award; IEEE-USA Harry Diamond Award; AIChE Nanoscale Science and Engineering Forum Award. For his sustained contributions to nanotechnology, he was inducted into the Silicon Valley Engineering Council Hall of Fame in February 2009. For his educational contributions, he has received: Outstanding Recognition Award from the NASA Office of Education; the Engineer of the Year Award (2004) by the San Francisco Section of the American Institute of Aeronautics and Astronautics (AIAA); IEEE-EDS Education Award; IEEE-EAB (Educational Activities Board) Meritorious Achievement Award in Continuing Education.

Prof. Dr Halimaton Hamdan, FASC

B.Sc.(Indiana), MSc.(Marshall), Ph.D.(Cantab)
Professor of Physical Chemistry



Profesor Hali is an academician at UTM Malaysia with a PhD from Universiti of Cambridge, UK. She pioneered the Zeolite and Nanostructured Materials Research Group and synthesized Maerogel.

She was the recipient of Merdeka Awards 2009 and was accorded the honour for her contributions in the development and application of Maerogel – an economic way to process rice husk into a high-tech material that can reduce electricity bills and protect buildings from bomb blasts. She is also a Senior Fellow of ASM and a committee of the NNI, Brain Gain Malaysia (Nanotechnology) and Asia Forum (ANF). She has authored over a hundred of journal publications, six patents and won several research awards

Professor Hali's field of expertise is chemistry of nanostructured materials, solid-state NMR spectroscopy, heterogeneous catalysis, zeolite and microporous crystal technology (synthesis, characterization and physical properties), surface chemistry. Her current research activities focus on post laboratory production and molecular engineering of zeolites and mesomorphous materials, aerogel, aeroglass, nanocomposites, nanostructures, hybrid catalysts and enzyme mimics.

Program Agenda NANOTECHNOLOGY SEMINAR

Capitol Hall,
UniMAP

Jan 5, 2010

8.15 am
Registration

8.30 am – 9.00 am
Opening Ceremony
&

**Welcome Remarks from INEE Director
Prof Dr Uda Hashim**

Lecture One

Speaker : Prof Dr Halimahton Hamdan FA Sc
Nanotechnology: Malaysia Road Map

Lecture Two

Speaker: Dr Meyya Meyyappan
Nanotechnology & Nanoscience: World's
Perspective
Q&A

12.45 pm
END

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