

UCAPAN

**¹YB DATUK SERI PANGLIMA MADIUS TANGAU
MINISTER OF SCIENCE, TECHNOLOGY AND INNOVATION**

SEMPENA PERASMIAN

**LUX RESEARCH-NANOMALAYSIA FORUM 2015
“RE-ENERGIZING ECONOMIC GROWTH THROUGH ADVANCED
MATERIALS INNOVATIONS”**

**KUALA LUMPUR CONVENTION CENTRE (KLCC)
WEDNESDAY, 28 OCTOBER 2015**

**YANG BERBAHAGIA EMERITUS PROFESSOR DATO' IR. DR.
MOHAMAD ZAWAWI BIN ISMAIL**

Pengerusi
NanoMalaysia Berhad

YANG BERUSAHA DR. REZAL KHAIRI AHMAD

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Wakil Kementerian, Jabatan, Akademik, Institusi Penyelidikan serta
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Hadirin sekalian

¹ Disampaikan oleh YBhg. Dato' Sri Dr. Noorul Ainur Mohd. Nur, KSU MOSTI

Salam Sejahtera, Salam 1Malaysia dan Salam 1MOSTI

Terlebih dahulu saya ingin mengalu-alukan kehadiran semua tetamu ke satu lagi majlis anjuran MOSTI, kali ini menerusi NanoMalaysia Berhad dengan kerjasama Lux Research. Bagi memanfaatkan kehadiran tetamu antarabangsa kita, izinkan saya meneruskan ucapan dalam Bahasa Inggeris.

Distinguished guests, ladies and gentlemen,

2. On behalf of the Honourable Minister of Science, Technology and Innovation, Dato' Madius Tangau who is unable to join us today, it is my pleasure to welcome you to the **"LUX RESEARCH – NANOMALAYSIA FORUM 2015."** I am sure the Minister would be glad to know that many distinguished researchers and experts, key capital market players and top executives in nanotechnology commercialization ecosystem are present in this auspicious forum to share their valuable experiences and discuss new challenges to meet future needs.

3. Allow me now to read the following message from the Honourable Minister.

Ladies and gentlemen,

4. I would like to take this opportunity to congratulate the organisers, NanoMalaysia Berhad and Lux Research for **providing this platform for industry players, researchers and technology experts**

to get connected, learn and exchange ideas with the collective aim of creating business opportunities in re-energising Malaysia's industry for sustainable economic growth.

5. As advisor to NanoMalaysia, I strongly support this initiative and applaud the hard work and efforts that have been invested to prepare for this forum.

6. We are living in an exciting time whereby, **nanotechnology and advanced materials innovation offers the potential for improvement in device performance for applications across the entire scope of human activity**: from medicine to cosmetics and food; information and communication to entertainment; earth-bound transport to aerospace; from future energy concepts to environment and climate change; and from security to cultural heritage.

7. Nanotechnology has enabled the industry players to move up the value chain with higher value added to their products and services and increase market shares, as well as venture into new ones.

8. Therefore the choice of this year's theme "**Re-Energizing Economic Growth through Advanced Materials Innovations**" is timely and appropriate.

9. Nanotechnology has been described as **the next major global growth engine** and it is a technology that is rapidly moving from laboratory to production.

10. Nanomaterials has led to a radically **new approach to manufacturing materials and devices**. Faster computers, advanced

pharmaceuticals, controlled drug delivery, biocompatible materials, nerve and tissue repair, crack proof surface coatings, better skin care and protection, more efficient catalysts, better and smaller sensors, even more efficient telecommunications.

11. The National Nanotechnology Initiative is intended to drive Malaysia towards creating a conducive environment for nanotechnology application development and commercialization and the Government support will accelerate the progress of the development of home grown nanotechnology into beneficial technologies.

12. As such, in 2009, the Honourable Prime Minister Dato' Sri Najib bin Tun Razak, who was then the Deputy Prime Minister, had announced **nanotechnology as an important growth engine for the new economic policy** that will stimulate and accelerate development of home grown nano science into beneficial technologies.

13. Since then, many new initiatives has been introduced, such as the **National Graphene Plan (NGAP) 2020** which see graphene as an emerging, highly versatile carbon-based nanomaterial which has great potential in the development of a high value economic ecosystem within our industries.

14. The Government of Malaysia aspires to exploit nanotechnology as an enabling engine for new economic growth, sustainable development and societal well-being. It is with this in mind that we had come out with **five (5) National Nanotechnology Statements**, namely:

- i. Inculcation of Nanotechnology Culture;

- ii. Strengthening of Research and Innovation in National Niche;
- iii. Enhancement of Collaboration; and
- iv. Promotion of Commercialisation and Industrialisation.

15. This is also in line with our **National Nanotechnology Policy which envisioned that nanotechnology as a trans-disciplinary strategic growth engine for Malaysia** and will be achieved through a symbiotic national nanotechnology ecosystem that will ensure sustainable development.

16. We are confident nanotechnology will be **a cross-cutting industrial enabler** that will strategically sustain the nation's position as a high-income, inclusive and sustainable economy beyond the year 2020. The advancement of nanotechnology in the development of advance materials, for example will have far reaching impact on our core industries, namely **E&E, Automotive, O&G, and medical**.

Ladies and Gentlemen,

17. I am sure this one-day forum will bring new and exciting scientific insight to all participants. This forum will provide an open arena for all interested stakeholders to freely exchange new ideas and share common visions, have fruitful discussion on challenges, to create a common understanding of how to apply and disseminate scientific knowledge for a better tomorrow.

18. This notwithstanding, let us remind ourselves that whilst nanotechnology applications have been around for quite some time, **public awareness is still relatively low**. It is therefore imperative for

us to designs and organise as many **forums for the general public** to enhance public awareness on the benefits of nanotechnology applications.

19. On that note, and on behalf of the Honourable Minister of Science, Technology and Innovation, it is now my great pleasure to **declare open** the **LUX RESEARCH AND NANOMALAYSIA FORUM 2015** WITH THE THEME; **RE-ENERGIZING ECONOMIC GROWTH THROUGH ADVANCED MATERIALS INNOVATIONS.**

Sekian. Terima kasih.