

**WELCOMING REMARKS  
LUX RESEARCH-NANOMALAYSIA FORUM 2015**

**“RE-ENERGIZING ECONOMIC GROWTH THROUGH ADVANCED  
MATERIALS INNOVATIONS”**

**BY**

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Thank you Masters of Ceremony.

Salutations

**YANG BERBAHAGIA DATO' SRI DR NOORUL AINUR MOHD NUR**

Secretary General

Ministry of Science, Technology and Innovation

**YANG BERBAHAGIA PROF. EMERITUS DATO' IR. DR. MOHAMAD**

**ZAWAWI BIN ISMAIL**

Chairman

NanoMalaysia Berhad

**YANG BERBAHAGIA DATO' DR. MOHD AZHAR YAHAYA**

Deputy Secretary General (Policy)

Ministry of Science, Technology and Innovation

**Yang Berusaha Dr. Zulkifli Mohamed Hashim**

Deputy Secretary General (Science)

Ministry of Science, Technology and Innovation

**MR. DENNIS PHILBIN**

Chief Executive Officer

Lux Research Inc.

**MR. CORT ISERNHAGEN**

Managing Director

Lux Research, Asia-Pacific

**Honorary guests,**

**Media Partners,**

**Ladies and Gentlemen, Advanced People of Malaysia.**

Assalaamu'alaikum warahmatullaahi wabarakatuh,

Salam Sejahtera,

Salam 1Malaysia

Salam 1MOSTI

Salam 1Nano

Ladies and gentlemen,

1. Good morning. It is my pleasure and a privilege to welcome all of you to this game-changing gathering, bringing together key representatives from advanced materials, nanotechnology and financial sectors, ministries and SMEs with a common goal that is, to explore business opportunities via advanced materials innovations. We gather for the second time under the auspices of **Lux Research – NanoMalaysia Forum 2015**. The theme of this event **Re-energising Economic Growth through Advanced Materials Innovations** reflects the pervasive reality of advanced materials innovations' cutting across all industries (electronics, healthcare, energy, automotive, aerospace etc.) and the importance to the economy.
2. The word 'nanotechnology' might seem a little odd to be applied to a technology that is clearly several centuries old. After all, a 'nanometer' is something that means one billionth part of a meter, something no one could have measured until very recently. But in this sense, nanotechnology refers to the purposeful (and accidental) inclusion of very tiny amounts of materials to create chemical reactions at the quantum level. Nanotechnology played a role in the mixing of Maya blue, that amazing color in Maya murals from 8th century America. Stained glass windows from the European Renaissance, colored glasses in

Bronze Age Egypt, and violins from the 18th century master Stradivari all benefited from the creative use of tiny amounts of inclusions of foreign matter placed into created objects, creating quantum level qualitative changes in the product.

3. In this forum, we have lined up economically relevant topics to discuss on and experts in fields of palm oil and rubber, Graphene, energy storage, electronics, healthcare and materials intelligence to share their knowledge and experiences. Reflecting the desired outcomes of this forum, there will be three MoUs on commercialising advanced materials and nanotechnology to be exchanged and Speed Pitch sessions.
4. The first MoU exchange will be between **NanoMalaysia and USains Holding Berhad** which is on commercialising carbon nano-tubes (CNT). The second MoU exchange will be between **NanoMalaysia and Koperasi Kontraktor Warisan Berhad (KKWB)** which is a strategic collaboration in commercializing nano-composites for building materials. The third MoU exchange will be between **NanoMalaysia and Ultra Impact Technologies Sdn. Bhd.**, adventuring into high end ultra-capacitor for IP commercialisation.
5. NanoMalaysia Berhad as an agency under MOSTI is the connector of innovators, policy makers, industry players, funding authorities and people, the consumers, adopting the NBOS approach to efficiently commercialize nanotechnology products. These Primary Outputs shall be achieved via industrial focus and critical mass, human capital development, facilities and infrastructure, investments, commercialisation imperatives, R&D funding and employment. Hence, we need cooperation from everyone to embark on this exciting journey of nanotechnology industry ecosystem.
6. Malaysia has its own innovations and has shown success in nurturing new sectors into winners. This year at this forum, we have lined up several start-up SME companies to further pitch their businesses in nanotechnology. The champion of the Speed-Pitch Session will be declared as “Best Emerging Advanced Material Company of 2015”. On that note, all the best to the

participants and winning or not, the outcome of this session will spur these companies to innovate greater things in the future.

Ladies and Gentlemen,

7. When we talk about Graphene here in Malaysia (the current wonder material), it is synonymous with **National Graphene Action Plan 2020 (NGAP 2020)**. This commercialization delivery framework managed by NanoMalaysia has created 18 product development projects since July 2014.
8. Among the identified applications are on commercially ready projects like nanofluids and conductive inks and this year until 2020 we are targeting rubber, ultracapacitors and plastics applications. **NGAP 2020** has the potential to add more than RM 20 Billion in GNI impact and help create 9,000 new Malaysian jobs. On behalf of the Head of NGAP 2020, Ms Khairienna Ahtar Khairuddin will explain to you further on how **NGAP 2020** will re-vitalise Malaysia's economy in the next session.

Ladies and gentlemen,

9. I would like to pose a question here, are your nanotechnology products **NANO Verified?** (raise hands? Yes? No?)
10. **NANO Verify** is a voluntary certification programme under the collaboration with SIRIM QAS. This certification is for process and products with claims of nano-elements in the range of one to 100 nanometre. Upon completion of **NANO Verify** process, products are entitled to carry the **NANO Verified** mark.
11. "Why do your product need to be **NANO Verified?**". Based on a survey done, companies with certification increased their corporate image, gained increased customer confidence thus promoting sales and provide justification of selling price increase by 20%. Dr. Nur Aainaa Syafini, Head of **NANO Verify** programme will shed some lights on **NANO Verify** programme and how it will positively impact Malaysia's economy later in the forum today.

Ladies and gentlemen,

12. We all would not be here today without continuous support from the Ministry of Science, Technology and Innovation (MOSTI) itself, the backbone of endless efforts in mainstreaming Malaysia's nanotechnology commercialization programme. Thank you Yang Berbahagia Dato' Sri Dr Noorul Ainur Mohd Nur for coming here today to officiate our impactful forum **Lux Research – NanoMalaysia Forum 2015: Re-energizing Economic Growth through Advanced Materials Innovations 2015**.

13. I would like to also thank Lux Research Inc. the co-organiser of **Lux Research – NanoMalaysia Forum 2015** headed by Mr. Dennis Philbin and Mr. Cort Isernhagen in the Asia Pacific region, for their continuous interests in Malaysia's nanotechnology developments. A word appreciation for MIGHT for sponsoring this event 2 years in a row.

14. For my dedicated staffs whom have been burning midnight oil in making sure this event a success, thank you for your effort, devotion and hardwork.

15. On behalf of NanoMalaysia Berhad, I would like to thank all speakers and guests for joining the same spirit and dedications, thank you for your generous time. More or less, this forum would be a great networking session, a starter for something new and the stimulator in re-energising the economic growth via advanced materials innovations. I do hope, everyone here will bring back valuable experiences and interests. Thank you.