



Report for Industrial Technical Talk on “Flash Memory: An Evolving Material Technology that Disrupts the Future”

by Ir. Dr Wong Yew Hoong and Ir. Dr Chuah Joon Huang



Ir. Dr Wong Yew Hoong is a committee member and Ir. Dr Chuah Joon Huang is co-opted member of Electronic Engineering Technical Division (eETD),

An industrial technical talk by Ir. Dr. Lee Meng Chuan was held at the Faculty of Engineering, University of Malaya (UM) on 15 November 2017. The talk was entitled “Flash Memory: An Evolving Material Technology that Disrupts the Future”. The event was supported by IEM Electronic Engineering Technical Division (eETD) and IEEE Electronic Packaging Society (EPS) Malaysia Chapter.

Ir. Dr. Lee Meng Chuan is a product stress development, quality and reliability engineer at Intel Malaysia. In his current position, he is responsible to devise and enable reliability and stress capability for Intel products. His research interest includes reliability characterization and study on non-volatile memory (NVM) and semiconductor logic devices.

The talk was attended by about 30 students, mainly from the Department of Mechanical Engineering and the Department of Electrical Engineering. Assoc. Prof. Dr. Henk Metselaar, Ir. Dr. Wong Yew Hoong, Ir. Dr. David Chuah Joon Huang, and Dr. Chow Li Sze were among the attendees in the talk.

In this talk, the students were first introduced to the overview of flash memory devices and basic working principles of flash memory. It is then followed by exposure of current challenges faced by the flash memory technology and some breakthroughs pertaining to the industry. Ir. Dr. Lee also presented “What’s next?” which encompasses future storage innovation possible areas.

During the talk, a very active question and answer (Q&A) interaction between Ir. Dr. Lee and the students was taking place. Ir. Dr. Lee had also addressed all impressive technical questions from the students. Besides technical aspects, Ir. Dr. Lee also shared his practical experience as an engineer pertaining to his field of expertise. Many of the students had the opportunity to ask about electronic/semiconductor industry and a career in the pertaining field.

The talk ended with a presentation of certificate and token of appreciation to Ir. Dr. Lee Meng Chuan of Intel Malaysia for informative and interesting talk by Assoc. Prof. Dr. Henk Metselaar on behalf of UM.



Presentation of certificate and token of appreciation to Ir. Dr. Lee Meng Chuan of Intel Malaysia by Assoc. Prof. Dr. Henk Metselaar of UM



Snapshot of the industrial technical talk session