

# IMM Student Chapter Career Talk



Reported by: Ms. Moo Karen (Event Chairperson, UTAR-IMM Student Chapter Vice Chairperson) and Mr. Lee Huan Soon (UTAR-IMM Student Chapter Chairperson)  
Edited by: Assoc. Prof. Er. Ing. Nigel Patrick Brewith, Norimax Sdn. Bhd.

**Date: 3<sup>rd</sup> November 2017**  
**Venue: University of Tunku Abdul Rahman**  
**Sungai Long Campus**

The Institute of Materials, Malaysia Student Chapter of University of Tunku Abdul Rahman (UTAR-IMM Student Chapter) organized a technical talk about job opportunities and working experiences in Material Engineering and Corrosion Protection Field and Material Failure Investigation. Nearly 30 undergraduates including staff attended this talk. The technical talks were presented by our invited IMM council members; Ir. Kang Kim Ang and Assoc. Prof. Eur. Ing. Nigel Patrick Brewitt.

Prior to the commencement of the two technical talk sessions, our session emcee, Mr. Matthew Ong Tan Jyn (UTAR-IMM Student Chapter Committee), warmly greeted the two technical experts and the participants. On behalf of UTAR-IMM Student Chapter, Assoc. Prof. Dr. Karen Wong Mee Chu, our UTAR-IMM Student Chapter Adviser delivered a welcoming speech for the two invited speakers, thanking them for coming over to share their experiences in their respective fields and giving students a deeper insight into the industries.

The technical talk was separated into two sessions. It began with "Job Opportunities and Working Experiences in Materials Engineering and Corrosion Protection Field" by Ir. Kang Kim Ang. The second session continued after a 10 minute break with the title "Materials Failure Investigation" presented by Assoc. Prof. Eur. Ing. Nigel Patrick Brewitt.

The first technical talk introduced the career opportunities for the young engineers especially those who majored in Materials Engineering. Ir. Kang shared his career development about starting as a fresh graduate until how he became the managing director of Corrtrol Synergy Sdn Bhd. He emphasised that the key to success is passion. He said that the graduation certificate simply means that we have only acquired some general knowledge of our discipline without any specialised skill and that might buy us an interview session, but attitude and passion are what employers are truly looking for. He encouraged the students to choose the field that they are interested in as their lifetime career or maybe if they have no clue on their future career after graduation, he suggested the students to try to have some interest in what they do because passion is what keeps people moving. He advised the students to further their studies after graduation to keep pace with the world so that we will not easily be replaced by machines and this is the benefit of being an engineer. "We use our brain to change the world and so we are irreplaceable." he said.

After the motivational speech, Ir. Kang went deeper into the corrosion field by using pipelines as an example. He explained the importance of prevention and maintenance of pipeline to avoid serious damages in terms of human lives and costs. He mentioned that materials are important in designing systems like pipelines as different materials shall be used under different circumstances for an optimum efficiency. Students were exposed to the depth of different industries. They were told that working as operation engineers in factories is not their only option, and that there are actually a lot of other options out there waiting for them to challenge them.

The second session of the technical talk continues after a short break by Assoc. Prof. Nigel. He is the chairman of IMM Student Chapter and is attached to the Industrial Advisory Board for Nottingham University (Malaysia Campus) and an Industrial Consultant for the design in Engineering course at the university. Furthermore, he set up a company called MTIS which deals with failure investigation and materials characterisation in the South-East Asia region. Assoc. Prof. Nigel explained the procedure of materials failure investigation step by step. He also mentioned the importance of gaining background information of details such as operation temperature and flowrate. These details help a lot in the investigation. Due to the time constraint, he only managed to give two examples on the spot in helping students to understand better.

Before the two technical talks ended, there was a Q & A session and students really appreciated that all their queries and concerns were all satisfactorily solved by the two speakers. All UTAR-IMM Student Chapter members would like to take this opportunity to show our deepest gratitude to our two invited speakers.

On behalf of UTAR-IMM Student Chapter, the student chapter advisor, Dr. Karen, presented a token of appreciation to the speakers.



Figure 1: Group photo of IMM student chapter members

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