

consulted with a variety of manufacturing and service industry companies in the areas of scheduling, facilities planning, inventory control, quality improvement, and performance evaluation.

The Importance of Equipment Predictability in Manufacturing



Ang Toon Yoon KMCO Assembly & Finish Engineering Intel Kulim Microprocessor and Chipsets Operations Intel-Malaysia

## **Keynote Abstract**

The keynote will address current challenging environment in semiconductor assembly & test manufacturing and describe what are the winning strategy and learning in high volume manufacturing to achieve world class performance. It will cover what are the practical challenges in manufacturing and working models to improve cycle time, product cost and equipment predictability from technology development towards high volume manufacturing and discuss how to build a lean manufacturing culture to consistently excel in rapidly changing and complex business environment.

**Bio:** Mr. Ang Toon Yoon is an Assembly Engineering Manager in Intel Kulim Microprocessor and Chipsets Operations in INTEL MALAYSIA. Mr. Ang received a BS in Mechanical Engineering from The Engineering Council, United Kingdom and MSc. in Manufacturing Systems Engineering from The Queen's University of Belfast, Northern Ireland, United Kingdom. Mr. Ang has 17 years of working experience in semiconductor industry; was the one of pioneer technology development team in wire-bond PBGA (Plastic Ball Grid Array) and various generations of Flip-Chip technology development which contributed to the significant technology breakthrough in product development and high volume manufacturing since 1995.His technology development experience consists of process and equipment development, technology platform integration and management, package quality & reliability, various problem solving methodologies, statistical process control, yield and new technology introduction and transfer. He moved from technology development division to high volume manufacturing division in 2006 and successfully started-up the largest assembly/test manufacturing facility in Kulim and currently in high volume manufacturing for latest chipset and microprocessor products. His current position is Senior Manager in Engineering Department.

## Supporting the Economy based on Research and Innovation



Prof. Dr. Ahmad Faris Ismail Deputy Rector (Research and Innovation) International Islamic University Malaysia

**Bio:** Prof. Dr. Ahmad Faris Ismail is currently the Deputy Rector (Research and Innovation) at the International Islamic University Malaysia (IIUM). He obtained his B.Sc. in Chemical Engineering in 1988 from University of Houston, Texas before getting his Ph.D. in Engineering from Rice University, USA in 1993. He has more than 17 years of university teaching experience and he is currently a Professor of Engineering at the International Islamic University Malaysia (IIUM). He served as the Dean of Engineering from 1997 until 2009, and he was the Co-chairman of the Malaysia Council of Engineering Deans from 2007 until 2009.

Prof. Dr. Ahmad Faris Ismail received the FUIW (The Federation of the Universities of the Islamic World) Tribute to the "Personality Having Contributed to the Development of Islamic University Education" in March 2008. He has served as a member of the Evaluation Committee for the FRGS (Fundamental Research Grant Scheme) and Science Fund (Industrial Sector) since 2006. He served as an IDB (Islamic Development Bank) Consultant for the Development of Mussa Bin Bique University, Mozambique Master Plan in August 2003. He was a Visiting Scientist at Graduate School of Engineering, Kyoto University in December 2004.

He has been invited as a keynote speaker for various conferences and congresses in Jordan, Saudi Arabia, Sudan, Syria, Morocco, Iran and Turkey. He has conducted workshop on "Academic Self-Assessment" and "Strategic Plan and Balanced Scorecard", and he has delivered lectures on "Innovation Ecosystem", "Curriculum Planning and Management", "Professional Ethics", "Towards Outcome-based Education", and "Research Design and Instrumentation". He is also a co-inventor for at least eight filed patents of the research products at IIUM.

Apart from teaching he has been active in research in the areas of energy and environment, computational fluid dynamics, combustion, simulation and modeling, and engineering education. He has published more than 140 papers in refereed journals and conference proceedings.

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