Panel Discussion and Interactive Session on Capacity Building, Innovation and Commercialization of Microelectronics in Pakistan

Overview and Rationale for the Activity

- The International statistics reveal that the microelectronics sale are expected to reach US$ Billion world wide.
- Semiconductors are essential technology that powers the microelectronics industry and the cutting edge digital devices. Emerging technologies such as ***autonomous driving***, ***A.I***, ***5G*** and ***IOT***, coupled with consistent spending on R&D are setting the pace for semiconductor industry with robust growth well placed to continue in next decades.
- Besides US & Europe; East Asia has become a hotspot for the microelectronics industry due to its burgeoning economy, the rise of ***mobile communication*** and growth in ***cloud computing***. China in particular commands almost half of overall market value.
- Pakistan is largely dependent on China for its consumer electronics or military needs of microelectronics. This calls for attention and investment in the development, capacity building, innovation and commercialization of microelectronics industry in Pakistan.

This moot/interactive session and panel discussion is providing a ***forum*** to those who are actively pursuing the IC design, fabrication and testing R&D in Pakistan, both from academia and strategic industry sectors to discuss this very issue. The Panel discussion and interactive session will be attended by Faculty Members and Research Students from universities, Representatives from Defense and Strategic Organizations, Higher Management of HEIs/ORICs/HEC/Scientific organization, Policy Makers, Technology/Market Leaders etc. The theme of the discussion is "***Chip Design, Fabrication and Evaluation: Capacity Building, Innovation and Commercialization of Microelectronics in Pakistan***" and expert panelists are expected to bring in the relevant issues in an open discussion targeting the opportunities, gaps, resolve and way forward to structure a meaningful market-driven microelectronics activity in Pakistan.

Experts/Resource Persons

- Prof. Dr. Shafaat A. Bazaz, Vice Chancellor, CASE , Islamabad
- Prof. Dr. Rashad M. Ramzan, Head RF IC & Microwave Circuit Design Group, FAST-NU, Islamabad
- Dr. Seyab Khan, Principal Engineer, Pakistan Atomic Energy Commission
- Dr. Arshad Hussain, Director ORIC, QAU
- Dr. Ahsan Ullah Kashif, NESCOM
- Dr. M. Ali Muhammad, Director Research, NUST
- Prof. Dr. Ahmed Shuja Syed, ED CAEPE, IIUI

7th April, 2020

Timing:
15:30 pm to 17:30 pm
Venue:
Lincoln Corner, Central Library

International Islamic University,
H-10, Islamabad

Centre for Advanced Electronics & Photovoltaic Engineering
A Torch Bearer of Advanced Electronics Program in Pakistan

To Register: www.iiu.edu.pk/caepe