

KL Pey's contributions and services to professional bodies

IEEE Society related

- **Advisor**, SUTD IEEE Student Branch, 2013 – Feb 2024
- **Advisor**, SUTD IEEE Electron Devices Society Student Branch Chapter, Dec 2015 – Feb 2024
- **Chair**, IEEE joint Rel/EPs/EDS Chapter (2020 and 2021), Singapore.
- **Member**, IEEE joint Rel/CPMT/EDS Chapter (2007-08, 2010-2019, 2022), Singapore.
- **Secretary**, IEEE joint Rel/CPMT/EDS Chapter (2006), Singapore.
- **Chair**, IEEE joint Rel/CPMT/EDS Chapter (2004, 2005 and 2009), Singapore. The Chapter was awarded the IEEE Electron Device Society Best Chapter Award in 2004.
- **Treasurer**, IEEE joint Rel/CPMT/EDS Chapter (2002 and 2003), Singapore.
- **Chapter Executive committee member**, IEEE joint Rel/CPMT/EDS (2000-2001), Singapore.

IEEE Conference related

- **Member** of the international advisory committee of the 2005 International Electron Device and Solid-State Circuit Conference (EDSSC'05), Hong Kong, December 19-21, 2005.
- **Organizer** of the session on “*Nanodevices and systems*”, IEEE 2006 NanoSingapore, January 2006.
- **Organizer** of the 2006 IEEE 11th WINMACT and other WINMACT workshops.

IEEE IPFA and EPTC Conference

- **IEEE IPFA Board members** – 2001 - present.
- **Publicity chair and organizing committee member**, 2010 IEEE 17th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **Publicity chair and organizing committee member**, 2008 IEEE 15th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **Publicity chair and organizing committee member**, 2006 IEEE 13th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **Organizing committee member**, 7th Electronics Packaging Technology Conference (EPTC 2005), Singapore.
- **Organizing committee member**, 6th Electronics Packaging Technology Conference (EPTC 2004), Singapore.
- **Publicity chair and organizing committee member**, 2005 IEEE 12th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **Co-chairman and organizing committee member**, 2004 IEEE 11th Physical and Failure Analysis of Integrated Circuits (IPFA), Taiwan.
- **Tutorial chair and organizing committee member**, 2003 IEEE 10th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **Finance chair and organizing committee member**, 2002 IEEE 9th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **General chairman**, 2001 IEEE 8th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.

- **Organizing committee member and local arrangement chair**, 1999 IEEE 7th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **Organizing committee member**, 1997 IEEE 6th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.
- **Organizing committee member**, 1995 IEEE 5th Physical and Failure Analysis of Integrated Circuits (IPFA), Singapore.

Other

- **Chair**, 2024 Higher Education Planning in Asia (HEPA) Forum, 10-11 April 2024, Auckland, New Zealand.
- **Chair**, 2023 Higher Education Planning in Asia (HEPA) Forum, 13-14 April 2023, Sunshine Coast, Australia.
- **Co-chair**, 2018 ASEAN Engineering Deans Summit (AEDS) and Accreditation & Assessment Workshop. One of the two parallel conferences of the 36th edition of the Conference of the ASEAN Federation of Engineering Organizations (CAFEO 36) hosted by The Institution of Engineers Singapore (IES)), 12-14 November 2018, Singapore.
- **Organizer** of 2007 Pall Filtration Pte Ltd and Microelectronics Center, School of EEE, Nanyang Technological University Workshop on “2nd Pall-NTU Technology Workshop on Si-based Nanodevice”, 21 May 2007.
- **Organizer** of 2006 Pall Filtration Pte Ltd and Microelectronics Center, School of EEE, Nanyang Technological University Workshop on “Technology of Si-based Nanodevices”.
- **Program committee member**, International Symposium on Microelectronics and Assembly (ISMA), 28-30 November 2000, Singapore.
- **Corresponding member**, 5th European Conference on Electron and optical Beam Testing (EOBT) of Electron Devices, August 27 - 30, 95, Germany.

Services to local industry

- **Consultant**
 - eMicro Corporation, 2002.
 - Agilent Technologies, Singapore, 2005–06.
 - Nanyang Law LLC, 2006-07.
 - JAM Technologies Singapore, Pte. Ltd, 2006 – 2007.
- **Panel member of the external assessors**, the Technical Career Ladder of Micron Semiconductor Asia Pte Ltd., 2007 – 2013.
- **Judge**, Symposium on Microelectronics, Institute of Microelectronics, 2004 and 2005.
- **Judge**, Micro Semiconductor Asia Pte Ltd Yearly Technical Seminar, 2004 - 2023.