SPIE KAUST student chapter annual report  
Aug. 2016 ~ July. 2017
Officers

President: Chun-Ho Lin (chunho.lin@kaust.edu.sa)
Vice President: Hui-Chun Fu (huichun.fu@kaust.edu.sa)
Secretary: Kuan-Sheng Ho (kuansheng.ho@kaust.edu.sa)
Treasurer: Ting-You Li (tingyou.li@kaust.edu.sa)

Current student members

- Chun-Ho Lin
- Hui-Chun Fu
- Kuan-Sheng Ho
- Ting-You Li
- Nasir Alfaraj
- Marcella Bonifazi
- Hassan Oubei
- Edgars Stegenburgs
- Kang-Ting Ho
- JianWei Liang
- Chao Shen
Activities

- **08.18.2016** Fall GROUP EXPO
- **10.27.2016** Forum and lunch Meeting with Prof. Kun-Yu Lai
- **12.06.2016** Seminar and lunch with Dr. Simon Deleonibus
- **01.23.2017** SPIE KAUST Poster exhibition on electronics, photonics and energy
- **01.26.2017** SPRING GROUP EXPO
- **03.05.2017** SPIE Distinguished Lecture: Prof. Raúl J. Martín-Palma
- **05.02.2017** Salon talk with Prof. Yonhua (Tommy) Tzeng
- **07.31.2017** Lecture and salon meeting with Prof. Zong-Hong Lin
The Expo features:

- Introduce SPIE and welcome new students
- Services on campus
- Provide the information
- Graduate student groups
Kun-Yu (Alvin) Lai is currently an associate professor in the Department of Optics and Photonics at National Central University (NCU) in Taiwan. Dr. Lai received his Ph.D. degree in Electrical Engineering from North Carolina State University in 2009. After working as the postdoctoral fellow in the Graduate Institute of Photonics and Optoelectronics at National Taiwan University in 2009-2011, he joined the faculty in the Department of Optics and Photonics at NCU, where he specialized in the growth/fabrication of novel III-nitrides optoelectronic devices and the optical properties of low-dimensional structures, such as quantum wells and nanowires.
Simon Deleonibus, retired from CEA-LETI on Jan 1st 2016 as Chief Scientist after 30 years of Research on Micro Nanoelectronics Devices Architectures. Before joining CEA-LETI, he was with Thomson Semiconductors(1981-1986), where he developed and transferred to production advanced microelectronics devices and products. He gained his PhD in Applied Physics from Paris University(1982). He is now Visiting Professor at Tokyo Institute of Technology(Tokyo, Japan) since 2014, National Chiao Tung University(Hsinchu, Taiwan) since 2015 and at Chinese Academy of Science(Beijing, PRC) since 2016. He is distinguished CEA Research Director(2002), IEEE Distinguished Lecturer(2004), Fellow of the IEEE (2006), Fellow of the Electrochemical Society (2015). He was awarded the titles of Chevalier de l’order National du Mérite(2004) and Chevalier de l’Ordre des Palmes Académiques(2011), the 2005 Grand Prix de l’Académie des Technologies. He is member of the ITRS since 1998, the European Research Council Panel(2007), the Nanosciences Foundation Board of Trustees(2007). He was Associate Editor of IEEE Trans. on Elect. Dev.(2008-2014) and Member of the IEEE Electron Devices Society Board of Governors(01/2009-12/2014) and reelected(2016-2018); He is currently Secretary of IEEE EDS (2016-2017) and Chair of IEEE EDS Region 8 SRC (2015-2016).
01.23.2017 SPIE KAUST Poster exhibition on electronics, photonics and energy
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Raúl J. Martín-Palma is Professor of Physics at the Department of Applied Physics of the Universidad Autónoma de Madrid (Spain) and Adjunct Professor of Materials Science and Engineering at The Pennsylvania State University (USA). He received his M.S. degree in applied physics in 1995 and his Ph.D. in physics in 2000, both from the Universidad Autónoma de Madrid. He has been a post-doctoral Fellow at the New Jersey Institute of Technology (USA) and a visiting professor at The Pennsylvania State University (USA). He has received young scientists’ awards from the European Materials Research Society and Materials Research Society for his research on nanostructured materials. He serves as an associate editor of the Journal of Nanophotonics and is a Fellow of SPIE.

This event was supported by SPIE Visiting Lecturer Program
Yonhua (Tommy) Tzeng is an IEEE Fellow and University Chair Professor of Institute of Microelectronics in the Department of Electrical Engineering, College of Electrical Engineering and Computer Science, at National Cheng Kung University, the second largest major research-intensive comprehensive university in Tainan, Taiwan with 22,000 students.

Dr. Tzeng joined Auburn University in 1983, was promoted to be an Alumni Chair Professor of ECE and served as Associate Director of Alabama Micro/Nano Science and Technology Center. He retired from Auburn University in 2007 to serve as VP for Research at NCKU, where he was the founding EIC of an online magazine with close to two million readers. He has been a visiting professor at Cavendish Laboratory, Cambridge University, UK, Tokyo Institute of Technology, Japan and Argonne National Lab, USA.

Dr. Tzeng is a world renowned scientist in diamond, graphene, nano-carbons and nanotechnology. He has published 240 journal and conference papers, 15 US patents, 15 Taiwan patents.
Zong-Hong Lin received his Ph.D. (2009) in Department of Chemistry from the National Taiwan University. After one year in the army (2009-2010), he started his postdoctoral career at the National Taiwan University between 2010 and 2012. Then he joined Georgia Institute of Technology as a postdoctoral fellow between 2012 and 2014. Currently he is an Assistant Professor in Institute of Biomedical Engineering, National Tsing Hua University. Dr. Lin's research focuses on the design of smart nanogenerators to harvest energy from the human body and the development of self-powered nanosensors and nanosystems. He has published over 70 papers and served on the program and organizing committees of various international workshops and conferences.
Future activities plans

- Chun-Ho Lin and Hui-Chun Fu will attend the Leadership Workshop in SPIE Photonics West 2018.
- Spring group expo (January) and Fall group expo (August) to promote our chapter and invite new student to join us.
- Keep invite speaker to share their experience with our student members.

Financial information

- The event “SPIE Distinguished Lecture (Prof. Raúl J. Martín-Palma)” was supported by SPIE Visiting Lecturer Program. The funding up to 1500 USD was paid via reimbursement directly to the lecturer.
- Other expenses in the past year were supported by KAUST graduate affairs and CEMSE division.