



黃惠良 教授
Prof. Huey-Liang Hwang

Huey-Liang Hwang (黃惠良) was born in Mainland China in 1946. He received the B.S.E. and M.S.E. degree in Electrical Engineering from National Cheng Kung University, Tainan, Taiwan, ROC in 1969 and 1971, respectively. In 1976 he was awarded the Ph.D degree in Solar Cells from Brown University, Providence R.I., USA. Since then he joined the faculty of the Electrical Engineering Department of National Tsing Hua University, Hsin-chu, Taiwan. His research areas include Giant Area Microelectronics (solar cells, displays, medical imaging devices and etc.) and ULSI. He was a pioneer researcher in Ternary Chalcopyrite Semiconductors and he has published more than 450 papers in scientific journals and conference proceedings. He was the Conference Chairmen of the first International Symposium on Electronic Devices and Materials(1980), Non-stoichiometry in Semiconductors(1991), 7th International Conference on Solid Films and Surfaces (1994) and 12th International Conference on Ternary and Multinary Compounds(2000).

Dr. Hwang was elected Fellow of IEEE in 1994 for "contributions in fundamental understanding of photovoltaic and semiconductor materials and devices", he was elected Fellow of National Science Council of Republic of China for his distinguished research, in 1996 he was also elected Fellow of American Vacuum Society in 1998 for "contributions for pioneering and systematical work on thin film photovoltaic materials and the fundamental understanding of hydrogenated Si films". Dr. Hwang was elected Member of Asia Pacific Academy of Materials (APAM) in 1998, and Vice President of APAM in 2000. He was elected President Of APAM in 2011

Dr. Hwang was the founders of the Electrical Engineering Departments of National Tsing Hua University and National Chung Hsing University, Tze-chiang Foundation of Science and Technology (the most re-nowned semiconductor engineers training center in Taiwan), and Sinonar Corp. (the 1st Amorphous Si Solar Cell manufacturer in Taiwan) 、Cando Corp. (Cando is the world front ranking manufacturer in Color Filter, and major supplier of touch panels for iphone and iPad) 、IDTI (Integrated Digital Technology Inc, the 1st in-cell touch panel invention and commercialization) 、Lofsolar (the world 1st invention and manufacture of color solar cells & modules) all of the four companies are located in Hsin-Chu Science Park. He was the Visiting Professors of the University of Stuttgart, University of Tokyo, Danish Technical University, Stanford University and Hong Kong University of Science and Technology (HKUST). He was

nominated as the 1st Y.Z. Hsu Scientific Chair (the 1st Chair Professor of Nano Science in Taiwan) since 2002, and Tsing Hua Chair Professor of Electrical Engineering and Computer Science since 2003. Since Feb. 2012, he was appointed as Chair Professor and Director of Photovoltaic Research Center of Shanghai Jiaotong University, which is aimed at further development of photovoltaic science and technology for China and Asia Pacific regions.