



Jiunn-Der Liao

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Prof. Dr. Jiunn-Der Liao obtained Bachelor's degree from National Cheng Kung University (NCKU, 1984 Bachelor of **Metallurgy and Materials Engineering, MME**) in Taiwan, Masters' degrees from **K. U. Leuven** (1990 Master of **MME** and 1991 Master of **Biomedical Engineering, BE**) in **Belgium** and **PhD degree from Ecole des Mines and INP Grenoble** (1994 and 1995 Doctor of **Materials Science and Engineering, MSE**) in **France**. He had also worked at University of Heidelberg (1995~1996), Germany as a group leader for nearly two years, at Chung Yuan Christian University (**Dept. BE**), Taiwan as an Associate Professor from 1996~2002, and at NCKU, Taiwan as an Associate Professor and Professor (**Dept. MSE**) from 2002. His working languages proficiency includes: Taiwanese, Mandarin Chinese, English, and French.

Prof. Liao is currently the (1) **Distinguished Professor**, NCKU (2011-2014, 2014-2017, 2017-2020, 2020-2023); (2) **Research Excellence Award NCKU** (2011~); (3) **Founder of** a start-up company (in preparation).

Prof. Liao was the (1) **Counselor and Director for Science and Technology**, Taipei Representative Office in the European Union and Belgium (2015/7~2019/7); (2) Taiwan **BIO NCP, ICT NCP, and Coordinator of Taiwan NCPs in Europe** (2016/1~2019/6); (3) **Chairman, Dept. MSE, NCKU** (2009/8~2012/7); (4) **Chairman** of Institute of Nanotechnology and Micro-system Engineering (2011/5~2012/7); (5) **Deputy Director General** of Center for Micro/Nano Science and Technology (CMNST, 2006/1~2009/7); (6) **Distinguished Researcher of CMNST, NCKU** (2009/8~2014/7); (7) **Coordinator of Taiwan NMP NCP (EU FP7)**.

His **research interests** include: (1) **Nanofabricated surfaces**, e.g., with the effect of surface enhanced Raman scattering for biomedical applications; (2) **Mechanics of Biomaterials**, e.g., engineering materials for tissue scaffolds, cell-surface interactions, mechanical transduction of cells; (3) **Plasma Medicine**, e.g., use of lowtemperature, atmospheric micro-plasma system for medical applications. **Two national-level projects (as the PI) on a medical device have been completed-** (1) Assessment of gentle plasma system applied for diabetic wound healing: proof-of-concept by animal model 2014-2015 and (2) Portable micro-plasma devices 2012-2013. Up till now, **>20 PhD and >100 Master students** have been supervised and **>160 SCI papers**, citations (Sept. 20, 2022) >2316, h-index =27) have been published.