簡歷

賴繼盛（Jih-Sheng, Jason Lai）教授於 1975 年及 1980 年分別取得國立臺灣師範大學工業教育學系學士與碩士學位。取得學士學位後，曾任教於臺中高工電機與冷凍科；取得碩士學位後，於明志工專擔任講師，並出任電機工程科主任。

1983 年赴美留學，於 1985 年及 1989 年分別取得美國田納西大學諾克斯維爾校區（University of Tennessee, Knoxville）電機工程碩士與博士學位。博士畢業後，加入美國電力研究院（Electric Power Research Institute, EPRI）之電力電子應用中心，擔任資深工程師暨經理。1993 年起，於橡樹嶺國家實驗室（Oak Ridge National Laboratory）擔任電力電子首席科學家。1996 年轉入學界，加入維吉尼亞理工暨州立大學（Virginia Polytechnic Institute and State University, Virginia Tech）電機與電腦工程學系。現任該校 James S. Tucker 講座教授，並擔任未來能源電子中心（Future Energy Electronics Center, FEEC）主任。

賴教授於 2015 年至 2022 年間擔任新加坡南洋理工大學（NTU-Singapore）電機與電子工程學系訪問教授；自 2018 年至今，擔任國立陽明交通大學國際半導體技術學院（ICST）訪問講座教授，並於 2019 年獲教育部頒授玉山學者獎助。自 2023 年起，受聘為美國傅爾布萊特計畫（Fulbright Program）之傅爾布萊特專家（Fulbright Specialist）。

賴教授曾任《IEEE Journal of Emerging and Selected Topics in Power Electronics》編輯，並曾擔任十餘場 IEEE 國際研討會總主席，包括 2001 年創辦之「國際未來能源挑戰賽」（International Future Energy Challenge, IFEC）以及 2005 年「應用電力電子研討會暨展覽」（Applied Power Electronics Conference and Exposition, APEC）。其研究成果豐碩，已發表超過 520 篇具審查制度之學術論文，並在高功率電子及其應用領域取得 30 餘項美國專利。其 Google Scholar 引用次數超過 43,900 次，H 指數為 89。

賴教授曾獲多項重要獎項，包括 1995 年洛克希德馬丁技術成就獎（Lockheed Martin Technical Achievement Award）及 2016 年 IEEE Gerald Kliman 創新獎（IEEE Gerald Kliman Innovation Award）。其指導之學生團隊於 2009 年榮獲德州儀器（TI）Engibous 類比設計競賽首獎，並於 2011 年獲得 IEEE 國際未來能源挑戰賽總冠軍。2016 年，其團隊於 Google Little Box Challenge（全球逾 2000 隊參賽）中晉級前三名決賽。2024 年，其國際團隊榮獲東元（TECO）淨零競賽總冠軍。

賴教授於 2007 年獲選為 IEEE Fellow，現為 IEEE 終身會士（IEEE Life Fellow），並於近期獲選為美國國家發明家學院（National Academy of Inventors, NAI）院士。

Brief Biography

Jih-Sheng (Jason) Lai, graduated from NTNU industrial education with bachelor and master degrees in 1975 and 1980, respectively. After receiving bachelor degree, he taught at Taichung Industrial High School electrical and refrigeration department. After receiving master degree, he taught at Ming Chi Institute of Technology as an instructor and department head of electrical engineering department. He went studied abroad in 1983 and received M.S. and Ph.D. degrees in electrical engineering from the University of Tennessee, Knoxville in 1985 and 1989, respectively. After graduated, he joined Electric Power Research Institute (EPRI) Power Electronics Applications Center as the Senior Engineer and Manager. From 1993, he worked with the Oak Ridge National Laboratory as the Power Electronics Lead Scientist. In 1996, he switched to academia and joined Virginia Polytechnic Institute and State University (Virginia Tech) Electrical and Computer Engineering Department. Currently he is James S. Tucker Endowed Chair Professor and Director of Future Energy Electronics Center (FEEC).

Dr. Lai held Visiting Professorship of Nanyang Technological University (NTU-Singapore) Electrical and Electronic Engineering (EEE) Department from 2015 to 2022 and Visiting Chair Professorship of National Yang Ming Chiao Tung University (NYCU) International Semiconductor Technology (ICST) from 2018 to present. With NYCU, he received Yushan Fellowship from Taiwan Ministry of Education in 2019. Since 2023, he has been appointed as a Fulbright Specialist by the US Fulbright Program.

Dr. Lai was an editor of IEEE Journal of Emerging and Selected Topics in Power Electronics. He served as the General Chair for more than 10 IEEE conferences including the founding chair of International Future Energy Challenge (IFEC) in 2001 and Applied Power Electronics Conference and Exposition (APEC) in 2005. He published more than 520 refereed technical papers and received more than 30 U.S. patents in the area of high power electronics and their applications. His Google citation is over 43900 with H-index of 89.

He received numerous awards including a Technical Achievement Award in 1995-Lockheed Martin Award Night and 2016-IEEE Gerald Kliman Innovation Award. His student teams won grand prizes in 2009 TI Engibous Analog Design Competition and 2011 IEEE International Future Energy Challenge. In 2016 Google Little Box Challenge, his team won the Top 3 Finalist among 2000+ international teams. His international team won grad prize in TECO Net-Zero Competition in 2024.

Dr. Lai became IEEE Fellow in 2007 and is now an IEEE Life Fellow. He was recently elevated to the Fellow of National Academy of Inventors (NAI)