

## Gwo Giun Chris Lee's Short Bio



### Education

- PhD EE, University of Massachusetts, USA
- MSEE, University of Massachusetts, USA
- BSEE, National Taiwan University

### Current Positions

- Professor, Department of Electrical Engineering, National Cheng Kung University
- Director, Bioinfotronics Research Center, National Cheng Kung University

### Brief Biography

Gwo Giun Chris Lee is an investigator in the field of Data Science including multimedia and bioinformatics. His endeavors in system design, based on analytics of algorithm concurrently with architecture, has made possible computations on System-on-Chip, edge and cloud platforms in resolving complex problems with both accuracy and efficiency. Having previously held leading and managerial positions in the industry such as System Architect in former Philips Semiconductor in Silicon Valley, Lee was recruited to NCKU in 2003 where he found and is currently directing the Bioinfotronics Research Center (BITS).

BITS conducts highly multidisciplinary research having collaborations with IBM TJ Watson Research Center on Cloud Computing; Inform Genomics Inc., founded by experts from MD Anderson Cancer Research Center, Harvard Medical School, and MIT, on analytics architecture for Precision Medicine; McGill Centre for Integrative Neuroscience (MCIN) and Banner Health Research on Intelligent Health Cloud and Alzheimer Disease; National Taiwan University on Harmonically Generated Microscopy Medical Image Processing; etc.

Representing Taiwan and US in ITU and MPEG of ISO/IEC, Lee led the international standardization efforts for video coding from several aspects. His invention of the novel Algorithm/Architecture Co-exploration system design methodology was substantial in guiding world experts in delivering feasible and realistic standards for applications requiring processing of big multimedia data. His low-complexity 3D video coding technology was also adopted by MPEG.

Lee received his B.S. degree in electrical engineering from National Taiwan University and both his M.S. and Ph.D. degrees in electrical engineering from University of Massachusetts. He has contributed more than 130 original research and technical publications with the invention of 150+ patents worldwide.

Lee serves as the AE for IEEE TSP. He was formerly the AE for IEEE TCSVT for which he received the Best Associate Editor's Award in 2011.