

國立清華大學第 21 屆新進人員研究獎得獎人簡介

李濬屹博士於 2012 年畢業於美國普林斯頓大學 (Princeton University) 電機工程學系，2015 年秋季起於國立清華大學資訊工程學系擔任助理教授一職。李濬屹博士曾於 2012 至 2015 年間，於美國加州矽谷甲骨文公司 (Oracle America, Inc.) 任職資深硬體工程師 (Senior Hardware Engineer)。

李濬屹博士領導的研究團隊專注的研究領域為智慧型機器人 (Autonomous Robotics)、深度增強式學習 (Deep Reinforcement Learning)、機器人電腦視覺 (Robotic Computer Vision)、虛擬至真實世界的遷移式學習 (Virtual-to-Real Transferring)、平行嵌入式系統設計 (Parallel Embedded Systems)、異質多核心處理器系統 (Heterogeneous Multiprocessor Systems)。

李濬屹博士有多篇論文發表於最頂尖的國際 AI 研討會，其中包含國際頂尖電腦視覺研討會 Computer Vision and Pattern Recognition (CVPR) 2018 及 European Conference on Computer Vision (ECCV) Workshop 2018，以及國際頂尖 AI 研討會 Neural Information Processing Systems (NIPS) 2018、International Joint Conference on Artificial Intelligence (IJCAI) 2018、International Conference on Autonomous Agents and Multiagent Systems (AAMAS) 2018、International Conference on Learning Representations (ICLR) Workshop 2018，以及平行運算研討會 GPU Technology Conference (GTC) 2018、International Conference on Computer Design (ICCD) 2018 等。李濬屹博士亦曾發表多篇 IEEE/ACM 頂級國際期刊與會議論文發表於 IEEE TVLSI 及 DAC 等，並獲得 2009 年 International Conference on Computer Design (ICCD'09) 之最佳論文獎 (Best Paper Award)。李濬屹博士層多次擔任 IEEE/ACM ASP-DAC 之 Session Chair 及 Technical Committee Member，亦多次擔任 IEEE TVLSI、IEEE TCAD、IEEE ISSCC、以及 IEEE ASP-DAC 之 Paper Reviewer。

李濬屹博士於 2016 年以及 2018 年，帶領 Elsa Lab 以及 NVISION 研究團隊參加 NVIDIA 公司舉辦的智慧型機器人設計競賽，分別獲得了全國冠軍與世界冠軍的佳績。並於 2018 年帶領研究團隊參加 European Conference on Computer Vision (ECCV) 2018 舉辦的電腦視覺辨識競賽，得到了世界第二名的佳績。於深度學習應用於智慧型機器人的領域，李濬屹博士的研究團隊已經累積了多年經驗，成果獲得了世界上相關領域專家的肯定。

英文自傳

Chun-Yi Lee is an Assistant Professor of Computer Science at National Tsing Hua University (NTHU), Hsinchu, Taiwan, and is the director of Elsa Lab. He received the B.S. and M.S. degrees from National Taiwan University, Taipei, Taiwan, in 2003 and 2005, respectively, and the M.A. and Ph.D. degrees from Princeton University, Princeton, NJ, USA, in 2009 and 2013, respectively, all in Electrical Engineering. Before joining NTHU, he was a senior engineer at Oracle America, Inc., Santa Clara, CA, USA.

Prof. Lee works in the area of deep learning for autonomous robotics. In particular, his research interests include real-time semantic segmentation, multi-agent deep reinforcement learning, robotic vision, autonomous navigation, virtual-to-real transferring, parallel embedded systems, and heterogeneous multiprocessor systems. He is the recipient of the Best Paper Award at International Conference of Computer Design (ICCD) in 2009, and is the supervisor of the NVISION team, which is the recipient of the grand prize (1st place) at NVIDIA Robotics Challenge, both in 2016

and 2018. He also led the research team to win the 2nd place at the Person In Context (PIC) Challenge held by European Conference on Computer Vision (ECCV) 2018.

Prof. Lee has published research papers at a number of top AI conferences, including Neural Information Processing Systems (NIPS) 2018, Computer Vision and Pattern Recognition (CVPR) 2018, International Joint Conference on Artificial Intelligence (IJCAI) 2018, International Conference on Autonomous Agents and Multiagent Systems (AAMAS) 2018, International Conference on Learning Representations (ICLR) Workshop 2018, European Conference on Computer Vision (ECCV) Workshop 2018, GPU Technology Conference (GTC) 2018, and International Conference on Computer Design (ICCD) 2017. He has also published several research papers at IEEE Transaction on Very Large Scale Integration Systems (TVLSI) and Design Automation Conference (DAC). Prof. Lee is a member of IEEE and ACM. He has served as session chairs and technical program committee several times at ASP-DAC, NoCs, and ISVLSI. He has also served as the paper reviewer of IEEE TVLSI, IEEE TCAD, IEEE ISSCC, and IEEE ASP-DAC.