Biography

Dr. Pin-Yu Chen (1986–present)

Dr. Pin-Yu Chen is currently a principal research staff member at IBM Thomas J. Watson Research Center, Yorktown Heights, NY, USA. He is also the chief scientist of RPI-IBM AI Research Collaboration and PI of ongoing MIT-IBM Watson AI Lab projects. Dr. Chen received his Ph.D. degree in electrical engineering and computer science and M.A. degree in Statistics from the University of Michigan, Ann Arbor, USA, in 2016. He received his M.S. degree in communication engineering from National Taiwan University, Taiwan, in 2011 and B.S. degree in electrical engineering and computer science (undergraduate honors program) from National Chiao Tung University, Taiwan, in 2009. Dr. Chen's recent research focuses on adversarial machine learning and robustness of neural networks. His long-term research vision is building trustworthy machine learning systems. He has published more than 40 papers related to trustworthy machine learning at major AI and machine learning conferences, given tutorials at AAAI'22, IJCAI'21, CVPR('20,'21), ECCV'20, ICASSP'20, KDD'19, and Big Data'18, and organized several workshops for adversarial machine learning. His research interest also includes graph and network data analytics and their applications to data mining, machine learning, signal processing, and cybersecurity. He was the recipient of the Chia-Lun Lo Fellowship from the University of Michigan Ann Arbor. He was also the recipient of the IEEE GLOBECOM 2010 GOLD Best Paper Award. At IBM Research, Dr. Chen has coinvented more than 30 U.S. patents and received the honor of IBM Master Inventor. In 2021, he received an IBM Corporate Technical Award for his contributions to trustworthy machine learning. More details about him can be found at www.pinyuchen.com.

Dr. Cho-Jui Hsieh (1985–present)

Dr. Cho-Jui Hsieh is currently an assistant professor of Computer Science at University of California, Los Angeles. He received his Ph.D. degree in computer science from the University of Texas at Austin in 2015. He received his M.S. and B.S. degrees in computer science and information engineering from National Taiwan University in 2009 and 2007, respectively. His main research focuses on developing efficient, reliable and automatic

machine learning algorithms. His work has received best/outstanding paper awards at KDD'10, ICDM'12, ICPP'18, ICLR'21 as well as three other paper award finalists. He was the recipient of NSF Career Award, Samsung AI Researcher of the Year, and several other research awards from Google, Intel, and Facebook. Further, his algorithms have been implemented in widely used machine learning libraries such as LIBLINEAR, scikit-learn, Pytorch, Tensorflow, DGL. The verification toolbox developed by his team won the 2021 VNN-Comp (International Verification of Neural Network Competition). His optimization algorithms have been chosen by the MLPerf as default solver for large-batch training tasks (e.g., BERT) and have been widely used in industry.