

OUTSTANDING YOUNG
RESEARCHER AWARD



Professor LUO Ping
羅平教授

Associate Professor
Department of Computer Science

Professor Luo received his BSc and MSc from Sun Yat-sen University and later his PhD from the Chinese University of Hong Kong in 2014. He was a research director at SenseTime Group Ltd from 2014 to 2019, before joining the University of Hong Kong.

“Can we work with machines more efficiently without using touchscreens and keyboards?” Professor Luo and his team try to answer this revolutionary question by focussing on generative artificial intelligence (GenAI) research to develop efficient and low-cost AI systems, which enable ordinary people to collaborate with machines on professional tasks using simple natural language without touchscreens, keyboards and mice. Tasks include generating high-quality documents, images and videos. His work reveals the intrinsic differences and connections between data modalities such as text and images and neural network structures.

Professor Luo and his team have developed over 30 renowned software and databases related to GenAI, serving hundreds of thousands of professional developers. His works have won several international outstanding paper awards, such as at the Annual Meeting of the Association for Computational Linguistics 2022, the 2023 World AI Conference, and from the *Computational Visual Media* journal, and his pioneering work on diffusion models for visual perception was among 17 nominations from 8,260 papers for the best paper at the 2023 International Conference on Computer Vision.

GenAI is hailed as the catalyst for the fifth industrial revolution. Professor Luo will continue working on highly reliable and low-cost GenAI research through teamwork and collaboration, transforming human-robot interaction and collaborative production between humans and machines.