Irwin Kuo-chin KING
Professor of Department of Computer Science & Engineering, CUHK

Topic: AI in Computer Science: Past, Present, and Future

Abstract:
Although AI has been one of the cornerstones in Computer Science since the late 1950's, it is enjoying a resurgence of interest in recent years due to advancements in hardware and software technologies that fuel the surge in application performance. As AI becomes even more relevant and promising, there is little doubt that it will permeate through every aspect of our daily life through its use in commerce, healthcare, manufacturing, transportation, education, etc. In this talk, we will walk down the memory lane to showcase some major milestones and achievements in AI over the years. We will also take a closer look at the modern evolution of AI and how it is impacting our daily life through some of AI's fundamental enabling techniques and approaches in various novel applications. Lastly, we will peek into the crystal ball and articulate some of the trends that are currently transforming the AI landscape.

Biography:
Irwin Kuo-chin King received his B.Sc. degree in Engineering and Applied Science from California Institute of Technology, Pasadena and his M.Sc. and Ph.D. degree in Computer Science from the University of Southern California, Los Angeles. Prof. King is Associate Dean (Education), Faculty of Engineering and Professor at the Department of Computer Science and Engineering, The Chinese University of Hong Kong. He is also Director of the Shenzhen Key Laboratory of Rich Media and Big Data. He has also worked at AT&T Labs Research and taught courses at UC Berkeley during his sabbatical.

Prof. King's research interests include machine learning, social computing, web intelligence, data mining, and multimedia information processing. In these research areas, he has over 300 technical publications in journals and conferences. In addition, he has contributed over 30 book chapters and edited volumes. Recently, Prof. King has been an evangelist in the use of education technologies in eLearning for the betterment of teaching and learning.