

主题报告 3

大数据研究面临的挑战

Challenges of Big Data in Scientific Discovery

华云生教授 | 香港中文大学常务副校长、伟伦计算机科学与工程学讲座教授



讲者介绍 Biography

华云生教授现为香港中文大学常务副校长及伟伦计算机科学与工程学讲座教授。同时担任香港大学教育资助委员会辖下的研究资助局（研资局）主席。他曾在新加坡担任由伊利诺伊大学成立与新加坡政府科技研究局资助的先进数码科学中心的总监，亦是伊利诺伊大学厄本那 - 香槟分校电机及计算机工程学系 Franklin W. Woeltge 讲座教授，以及协调科学实验室之教授。他于 1979 年在加州大学柏克莱分校取得工程学哲学博士学位。华教授的学术及专业成就获多项国际奖誉，其中包括 IEEE-CS Technical Achievement 奖（1998），IEEE Millennium Medal（2000），IEEE-CS W. Wallace-McDowell 奖（2006），Pan Wen-Yuan Outstanding Research 奖（2006），IEEE-CS Richard E. Merwin 奖（2007），IEEE-CS Tsutomu Kanai 奖（2009），以及由加州大学柏克莱分校颁发的计算机科学杰出校友奖（2011）。华教授的研究范围包括大数据应用及多媒体讯号处理。华教授于 1996 年共同创刊 IEEE Transactions on Knowledge and Data Engineering，并在 1993 年和 1996 年之间担任该汇刊的主编，同时是 Knowledge and Information Systems 名誉主编。他现担任 Information Sciences, International Journal on Artificial Intelligence Tools, Journal of VLSI Signal Processing, World Wide Web 及 Journal of Computer Science and Technology 的编辑委员会。他曾于 IEEE 计算机学会担任各个职责，包括出版副主席（1998 及 1999）及会长（2001）。他为电机及电子工程师学会（IEEE）、计算机学会（ACM）及美国科学促进会（AAAS）院士。

Benjamin W. Wah is currently the Provost and Wei Lun Professor of Computer Science and Engineering of the Chinese University of Hong Kong. He also serves as the Chair of the Research Grants Council of Hong Kong. Before then, he served as the Director of the Advanced Digital Sciences Center in Singapore, as well as the Franklin W. Woeltge Endowed Professor of Electrical and Computer Engineering and Professor of the Coordinated Science Laboratory of the University of Illinois, Urbana-Champaign, IL. He received his Ph.D. degree in computer science from the University of California, Berkeley, CA, in 1979. He has received a number of awards for his research contributions, which include the IEEE CS Technical Achievement Award (1998), the IEEE Millennium Medal (2000), the IEEE-CS W. Wallace-McDowell Award (2006), the Pan Wen-Yuan Outstanding Research Award (2006), the IEEE-CS Richard E. Merwin Award (2007), the IEEE-CS Tsutomu Kanai Award (2009), and the Distinguished Alumni Award in Computer Science of the University of California, Berkeley (2011). His current research interests are in the areas of big data applications and multimedia signal processing. He cofounded the IEEE Transactions on Knowledge and Data Engineering in 1988 and served as its Editor-in-Chief between 1993 and 1996. He currently serves as the Honorary Editor-in-Chief of Knowledge and Information Systems and is on the editorial boards of Information Sciences, International Journal on Artificial Intelligence Tools, Journal of VLSI Signal Processing, World Wide Web, and Journal of Computer Science and Technology. He has served the IEEE Computer Society in various capacities, including Vice President for Publications (1998 and 1999) and President (2001). He is a Fellow of the AAAS, ACM, and IEEE.