香港浸會大學
HONG KONG BAPTIST UNIVERSITY
計算機科學系
Department of Computer Science

Department of Computer Science
Distinguished Lecture Series 2016/17

Prof. Dapeng Oliver Wu

Professor,
Department of Electrical & Computer Engineering
University of Florida, USA

**14 June 2017 (Wednesday)
2:30 - 3:30pm**

LT1 (SCT501),
Cha Chi-ming Science Tower,
Ho Sin Hang Campus, HKBU

Multimedia over Future Internet: Challenges and Opportunities

💬 Abstract

Due to the explosive growth of the Internet and increasing demand for multimedia information on the web, multimedia transmission over the Internet has received tremendous attention from academia and industry. Transmission of real-time multimedia typically has bandwidth, delay and loss requirements. However, the current best-effort Internet does not offer any quality of service (QoS) guarantees to real-time multimedia. Thus, multimedia transmission over Internet poses many challenges. To address these challenges, many techniques have been conducted. In this talk, I will present efforts on 5G wireless networks, future Internet, and cloud computing for providing multimedia services over networks. I will also discuss the trade-offs of various approaches and point out future research directions.

ℹ️ Biography

Dapeng Oliver Wu received Ph.D. in Electrical and Computer Engineering from Carnegie Mellon University, Pittsburgh, PA, in 2003. Since 2003, he has been on the faculty of Electrical and Computer Engineering Department at University of Florida, Gainesville, FL, where he is currently Professor. His research interests are in the areas of networking, communications, video coding, image processing, computer vision, signal processing, and machine learning.

He received University of Florida Term Professorship Award in 2017, University of Florida Research Foundation Professorship Award in 2009, AFOSR Young Investigator Program (YIP) Award in 2009, ONR Young Investigator Program (YIP) Award in 2008, NSF CAREER award in 2007, the IEEE Circuits and Systems for Video Technology (CSVT) Transactions Best Paper Award for Year 2001, the Best Paper Award in GLOBECOM 2011, and the Best Paper Award in QShine 2006. Currently, he serves as Editor-in-Chief of IEEE Transactions on Network Science and Engineering, and Associate Editor of IEEE Transactions on Communications, IEEE Transactions on Signal and Information Processing over Networks, and IEEE Signal Processing Magazine. He was the founding Editor-in-Chief of Journal of Advances in Multimedia between 2006 and 2008, and an Associate Editor for IEEE Transactions on Circuits and Systems for Video Technology, IEEE Transactions on Wireless Communications and IEEE Transactions on Vehicular Technology. He has served as Technical Program Committee (TPC) Chair for IEEE INFOCOM 2012. He was elected as a Distinguished Lecturer by IEEE Vehicular Technology Society in 2016. He is an IEEE Fellow.

💬 Enquiry

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