『清华信息大讲堂第105讲』

■ **报告题目**：When Mobile Multimedia Meet Cloud: Challenges and Future Directions

■ **报告人**：Chang Wen Chen
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■ **报告时间**：2013年5月30日 3:30pm-5:00pm

■ **报告地点**：ＦＩＴ楼１－５１５

摘　要：

Abstract: Smart phones and tablets are becoming the most desired platforms for ubiquitous multimedia services. When this contemporary trend of mobile media meets the increasing availability of public Clouds, a new technical paradigm, Cloud Mobile Media, is now emerging. This new paradigm presents numerous challenges for researchers to develop next generation cloud-driven media services for omnipresent mobile users. This talk shall identify several major challenges in cloud-centric mobile media in properly discovering and seamlessly transporting the user desired media contents in their most appropriate form between the ubiquitous cloud infrastructures and the heterogeneous mobile devices. In particular, key factors that impact the cloud mobile media services, including service latency, user experience, mobility management, energy efficiency, and content security, will be examined. This talk shall also outline some future research directions to further advance this emerging cloud mobile media by overcoming technical barriers resulting from the mismatch between resource abundant cloud infrastructures and severely resource limited mobile devices.

简　介：

Biography: Chang Wen Chen is a Professor of Computer Science and Engineering at the University at Buffalo, State University of New York. He has been Allen Henry Endow Chair Professor at the Florida Institute of Technology from July 2003 to December 2007. He was on the faculty of Electrical Engineering at the University of Rochester from 1992 to 1996, on the faculty of Electrical and Computer Engineering at the University of Missouri-Columbia from 1996 to 2003.

He has served as the Editor-in-Chief for IEEE Trans. Circuits and Systems for Video Technology from 2006 to 2009. He has been an Editor for several major IEEE Transactions and Journals, including the Proceedings of IEEE, IEEE Journal of Selected Areas in Communications, IEEE Journal of Journal on Emerging and Selected Topics in Circuits and Systems, and IEEE Trans. Multimedia. He has served as Conference Chair for several major IEEE, ACM and SPIE conferences related to multimedia video communications and signal processing. His research is supported by NSF, DARPA, Air Force, NASA, Whitaker Foundation, Microsoft, Intel, Kodak, Huawei, and Technicolor.

He received his BS from University of Science and Technology of China in 1983, MSEE from University of Southern California in 1986, and Ph.D. from University of Illinois at Urbana-Champaign in 1992. He and his students have received several Best Paper Awards and Best Student Paper Awards over the past two decades. He has also received several research and professional achievement awards, including the Sigma Xi Excellence in Graduate Research Mentoring Award in 2003, Alexander von Humboldt Research Award in 2009, and the State University of New York at Buffalo Exceptional Scholar － Sustained Achievement Award in 2012. He is an IEEE Fellow and an SPIE Fellow.

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