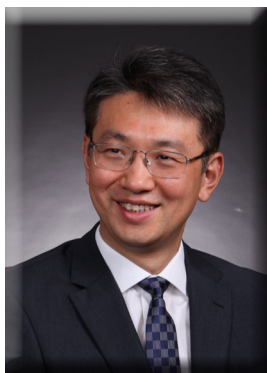# Computer Science and Engineering Distinguished Alumni Award

Yunhao Liu, PhD
MS '03 & PhD '04, Computer Science

Dr. Yunhao Liu is the Cheung Kong Chair Professor and Dean of the School of Software at Tsinghua University, China. Just 18 years earlier (in 1995) he was awarded his bachelor's degree in automation from the same institution.

Yunhao attended MSU as a graduate student from 2001 to 2004, under the supervision of Dr. Lionel Ni for his master's and Dr. Li Xiao for his doctoral degree in computer science and engineering.

His research interests include RFID and sensor network, the Internet and Cloud Computing, and distributed computing.

Upon graduation, Dr. Liu joined the Hong Kong University of Science and Technology as an assistant professor in 2004. He conducted the world's first underground coal mine sensor network surveillance system in 2005-06, and for this contribution he received the Hong Kong Best Innovation and Research Award Grand Prize in 2007.

Dr. Liu received early promotion to an associate professor in 2008. The following year he began his service as the postgraduate director of Computer Science and Engineering.

He was the first to define the concept of node localizability, and won the first class Natural Science Award of the China Ministry of Education in 2010. He was named a National Natural Science Foundation of China (NSFC) Distinguished Young Scholar in 2011, and in 2012, received the Association for Computer Machinery (ACM)Presidential Award.

Yunhao joined Tsinghua University as chair professor in 2013, and serves as dean of the School of Software. His book, *The Introduction to IOT,* is used as text book by more than 400 universities, and more than 150,000 hard copies have been sold.

Dr. Liu has served as an associate editor/editor-in-chief for several IEEE and ACM publications, and is currently associate editor for *IEEE/ACM Transactions on Networking* and *ACM Transactions on Sensor Networks*. He has chaired/cochaired a range of industry conferences.

He received four best paper awards including the prestigious ACM MobiCom 2014, and received the IOT Young Achievement Award in 2016. IN 2015 HE became a Fellow of both IEEE and ACM.

Established in 2004, the CSE Distinguished Alumni Award recognizes an alumnus or alumna who has distinguished himself/herself as a leader in the computer science and engineering profession through professional contributions, public service, and personal accomplishments. Nominations are made by faculty, alumni, and other supporters of the department. The winner is selected by the department chairperson and advisory committee.