

COMPUTER SCIENCE RESEARCH SEMINAR

Improving Cloud Storage Services for Mobile Applications

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Friday, April 21st at noon in room R15, Engineering Building

Abstract: Personal cloud storage services, such as Dropbox, Google Drive, and OneDrive, have been gaining fast-increasing popularity in recent years. Meanwhile, as smartphones and tablets are becoming more powerful and prevalent, we are seeing the same trend of cloud storage service gaining popularity on mobile devices. However, we show that applications on smart mobile devices, such as smartphones and tablets, fall short of using cloud storage service efficiently, thus leading to poor usage experience, such as unnecessary energy consumption, extended folder synchronization time, and redundant network transmission traffic. We investigate the causes of the problems and discuss our research of addressing such problems.

Bio: Yifan Zhang joined the Computer Science Department at Binghamton University in Fall 2014. He received his Ph.D. degree in Computer Science from the College of William and Mary, and bachelor degree in Computer Science from Beihang University. His general research interests are computer systems in mobile computing and wireless networks.

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Pizza will be provided!