

A Peek into Smartphones, Cloud Services and their Security

John C.S. Lui
Computer Science & Engineering Department
The Chinese University of Hong Kong
Shatin, NT, Hong Kong
cslui@cse.cuhk.edu.hk

ABSTRACT

As we embrace new technologies and services like smartphones and cloud services, we also need to understand various *security pitfalls*. In this talk, I will go over the background on Android smartphones, some of the security issues and also, how malware writers can take advantages of the platform to launch new and stealthy mobile attacks.

Croucher Foundation and is currently the chair of the ACM SIGMETRICS. His personal interests include films and general reading.

Categories and Subject Descriptors

H.4 [Information Systems Applications]: Miscellaneous;
D.2.8 [Software Engineering]: Metrics—*security, performance*

General Terms

Security

Keywords

Smartphone, security, mobile computing, cloud computing

1. BIOGRAPHY

John C.S. Lui was born in Hong Kong and is currently a full professor in the Department of Computer Science & Engineering at The Chinese University of Hong Kong. He received his Ph.D. in Computer Science from UCLA. His current research interests are in network sciences with large data implications (e.g., online social networks, large scale data analytics,..etc), network/system security (e.g., cloud security, mobile security, ...etc), network economics, cloud computing and performance evaluation theory. John is also an active consultant to industry, believing this to be an efficient method of technology transfer and a good way to learn about the real and relevant problems. John received various departmental teaching awards and the CUHK Vice-Chancellor's Exemplary Teaching Award, as well as the Faculty of Engineering Research Excellence Award (2011-2012). He is an elected member of the IFIP WG 7.3, Fellow of ACM, Fellow of IEEE, Senior Research Fellow of the

Permission to make digital or hard copies of part or all of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage, and that copies bear this notice and the full citation on the first page. Copyrights for third-party components of this work must be honored. For all other uses, contact the owner/author(s). Copyright is held by the author/owner(s).

MCC'13, August 12, 2013, Hong Kong, China.
ACM 978-1-4503-2180-8/13/08.