

## Decentralizing the Internet from the Ground Up

**SPEAKER Prof Lixia ZHANG**

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**DATE** 23 September 2019 (Monday)

**TIME** 10:30 am – 11:30 am

**VENUE** CS Seminar Room, Y6405  
6th Floor, Yellow Zone  
Yeung Kin Man Academic Building  
City University of Hong Kong  
83 Tat Chee Avenue  
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### ABSTRACT

A recent Internet Draft pointed out that, as the Internet has matured, we have also witnessed a process of increasing control over Internet infrastructure and services by a small set of organizations [1]. Consequently many efforts have been devoted to developing various blockchain-based systems in recent years, with a goal of decentralizing the Internet. This talk aims to articulate the major factors that contributed to the observed Internet consolidation, and to use the gained insight to explore the solution space, identifying effective approaches to steering the Internet toward decentralization.

[1] "Considerations on Internet Consolidation and the Internet Architecture", Jari Arkko et. al., July 2019.  
<https://tools.ietf.org/html/draft-arkko-iab-internet-consolidation-02>

### BIOGRAPHY

Lixia Zhang is a professor in the Computer Science Department of UCLA. She received her Ph.D in computer science from MIT and was a member of the research staff at Xerox PARC before joining UCLA. She has been involved in Internet architecture and protocol development since 1981. Starting 2010 she has been leading the effort on the design and development of Named Data Networking, a new Internet protocol architecture (<http://named-data.net/>).

**All are welcome!**



In case of questions, please contact Prof JIA Xiaohua at Tel: 3442 9670, E-mail: [csjia@cityu.edu.hk](mailto:csjia@cityu.edu.hk), or visit the CS Departmental Seminar Web at <http://www.cs.cityu.edu.hk/>.

