



Zhu Li

Associate Professor, [Dept. Computer Science & Electrical Engineering](#),  
[University of Missouri, Kansas City](#)

Email: [lizhu@umkc.edu](mailto:lizhu@umkc.edu), Phone: 816 235 2346, Office: FH 560E

About Me

Teaching

Research

Publications

## Bio

Zhu Li ([Bio](#), [CV](#)) is now an Associate Professor with the [Dept of Computer Science & Electrical Engineering \(CSEE\)](#), [University of Missouri, Kansas City](#), and director of the Multimedia Computing & Communication (MC<sup>2</sup>) Lab. He received his PhD in [Electrical & Computer Engineering](#) from [Northwestern University](#), Evanston in 2004. He was Sr. Staff Researcher/Sr. Manager with [Samsung Research America's](#) Multimedia Standards Research Lab in Richardson, TX, 2012-2015, Sr. Staff Researcher/Media Analytics Group Lead with FutureWei (Huawei) Technology's Media Lab in Bridgewater, NJ, 2010~2012, and an Assistant Professor with the Dept of Computing, The [Hong Kong Polytechnic University](#) from 2008 to 2010, and a Principal Staff Research Engineer with the Multimedia Research Lab (MRL), [Motorola Labs](#), from 2000 to 2008.

While on faculty at the Hong Kong Polytechnic University, he also served as CTO for the "big data" mobile music and visual search startup Mudi Technology Inc, which has successfully commercialized its music search product with China Mobile Shenzhen, and mobile query-by-capture for books and CDs with dangdang.com. [\[android demo app\]](#)

His research interests include audio-visual analytics and machine learning with its application in large scale video repositories annotation, mining and recommendation, video object identification and event recognition, as well as video adaptation, source-channel coding and distributed optimization issues of the wireless video networks. He has 25 issued or pending patents, 90+ publications in book chapters, journals, conference proceedings and standard contributions in these areas. He is an IEEE senior member, associated editor (2015~) for [IEEE Trans.on Multimedia](#), and associated editor (2016~) for [IEEE Trans on Circuits & System for Video Technology](#), associated editor (2015~) for [Journal of Signal Processing Systems \(Springer\)](#), steering committee member of IEEE ICME, elected member (2014-2017) of the IEEE Multimedia Signal Processing (MMSP) Tech Committee, elected Vice Chair (2008-2010), Standards Liaison (2014-2016) of the IEEE Multimedia Communication Technical Committee (MMTC), member of the Best Paper Award Committee, ICME 2010, co-editor for the Springer-Verlag book on "[Intelligent Video Communication: Techniques and Applications](#)", and "[Multimedia Analysis, Computing and Communication](#)". He received the **Best Poster Paper** Award at IEEE Int'l Conf on Multimedia & Expo (ICME), Toronto, 2006, and the **Best Paper** (DoCoMo Labs Innovative Paper) Award at IEEE Int'l Conf on Image Processing (ICIP), San Antonio, 2007.

## Recent Services:

I am serving as General Co-Chair for IEEE Visual Communication & Image Processing (VCIP) Conference, St. Petersburg, FL, 2017, Steering Committee member, [IEEE Int'l Conference on Multimedia & Expo \(ICME\)](#), and Area Chair for [IEEE Int'l Conf on Image Processing \(ICIP\)](#), Phoenix, AZ, 2016.

## Teaching

Spring 2018: ECE/CS 5590 [Image Analysis & Retrieval](#) , previous offerings: 2017

Spring 2017: ECE/CS 5590: [Multimedia Communication](#)

Fall 2016: Adv. [Multimedia Communication](#)

## Invited Talks

- [Mobile Visual Search: Object Re-Identification Against Large Repositories](#), invited talk at Academia Sinica, Taipei, 2015.12, hosted by Prof. Wen-Huang Cheng, University of Science & Tech of China (USTC), hosted by Prof. Houqiang Li, and Shanghai Jiaotong University, hosted by Prof. Y.L. Xu, 2016.01.

- [Subspace Indexing on Grassmannian Manifold for Large Scale Visual Identification](#), given at EPFL/IBM Research/Northwestern Univ/Stevens Tech/Motorola Solutions Research/MIT Lincoln Lab/Beijing University.



me climbing up the [Mt. Elbert](#), 14439ft.

## News

2018.01, elected steering committee member for the IEEE Int'l Conf on Multimedia & Expo ([ICME](#)) representing [MMSP TC](#), and IEEE Visual Communication & Image Processing ([VCIP](#)) Conf sponsored by [VSPC TC](#).

2017.12, co-chaired the [IEEE VCIP 2017](#) in St. Petes, FL.

2017.08, Farewell hike of [Eagle's Peak](#), climbed 5 14ers: Mt. [Antero](#), Mt. [Massive](#), Mtns.[Lincoln](#), [Democrat](#), and [Bross](#).

2017.06, visiting professor, Center for Unmanned Aerial System (UAS) Research, [US Air Force Academy](#)

2016.12, Multi-University (Florida, CMU, UMKC and Oregon) NSF I/UCRC on Big Learning ([NSF CBL](#)) planning grant approved.

2016.12, APSIPA Plenary Forum [Deep Learning: Past, Present and Future](#) , Jeju, Korea, 2016.

## Announcements

PhD Scholarships are available for 2 self-motivated students. Ideal candidates should have an MS degree in CS/EE and have solid programming in C, Python, and MATLAB. Visiting scholars are welcome. If

interested, send me a brief  
email at: [lizhu@umkc.edu](mailto:lizhu@umkc.edu).  
For more details, click [here](#).