Post-Doc/PhD Positions in Computer Science/Electrical Engineering University of Missouri, Kansas City, USA

Opening Description:

With recent funding from NSF, Air Force and Space Force, and various industry research labs, the *Multimedia Computing & Communication Lab* (http://l.web.umkc.edu/lizhu) at UMKC now has 2 PhD openings with full financial support (including tuition, health insurance, stipends and conference travels) for the following topics:

- Deep Learning in signal modeling and prediction in the next gen video coding, machine learning approaches in fast mode decision and rate control for video transcoding. End-to-end learning based compression, compression for vision tasks.
- Immersive/VR content capture, compression and low latency communication, especially point cloud, light field, and 360 immersive video capture and coding.
- Robust object re-identification against large scale data base, new key point features with depth info, high efficiency local feature aggregation and hashing,
- Low light, Low resolution and quality image enhancement, denoising for mobile imaging and object detection/recognition.
- Immsersive video system research, rate agnostic content identification, storage and cache de-duplication, CDN delivery acceleration, next generation content centric networking, architecture and optimization.

Candidates Expectation:

Ideal candidates should have MS degree in CS/EE, and have solid programming skills in C/C++, Python and Matlab. Industrial experiences are highly valued. Desired course work including Linear Algebra, Probability & Statistics, Numerical Optimization. Self-motivating and have a strong desire to do cutting edge research and publish. For exceptional candidates GRE can be *waivered* to accelerate the process. In addition, visiting scholar and post-docs are also welcome.

Contact Info:

Interested students please send me a short CV, a copy of your transcript, publications if any, and GRE/TOEFL/IELTS scores to:

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