

## Postdoc researcher – big data driven intelligent transportation and urban computing

Nanyang Technological University, Singapore

We are looking for highly motivated Postdoc researchers with strong research interests at the junction of mobility, urban sensing, transportations, and big data analytics. We have been deepening our understanding of mobility from the urban data and are making use of such understanding to develop intelligent methods and systems to improve state-of-the-art practices of transportation as well as other urban applications.

We offer you competitive salaries, a vibrant research environment with strong support in facilities – high performance cluster servers, various types of smart phones, wearables and other embedded devices, wireless sensing and networking platforms, etc., as well as access to a pool of precious urban data from Singapore – daily trajectories and statuses of over 20,000 taxis, billions of daily transaction records of over 3 million transport cards of the city, various crowdsensing data (location trajectories, IMU data, surrounding environment, step counts, etc.) collected from the national science experiment involving 43,000+ local students, and so on.

We expect that you have strong experimental background in systems and data analytics. We have been working with distributed data processing frameworks like Spark as well as advanced graph processing engines in order to process the huge volume of data that we are studying. We expect that you have strong track record of publishing in top venues on mobility, systems, and data. We have been regularly publishing or targeting our research papers to conferences like MobiCom, KDD, INFOCOM, UbiComp, MobiSys, and the like.

Our alumni Postdoc fellows:

- Dr. Zhenjiang Li (2012-2015): Assistant Professor at City University of Hong Kong since 2015
- Dr. Zhidan Liu (2015-2017): Assistant Professor at Shenzhen University (Shenzhen Talent Peacock Plan) since 2017
- Dr. Wan Du (2012-2017): Assistant Professor at University of California, Merced since 2017

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Dr. Mo Li is an Associate Professor in the School of Computer Science and Engineering. He had successful experiences in his completed and ongoing research projects on building IoT and data analytical systems for smart cities and urban informatics. Dr. Li is internationally recognized by his research in distributed sensing systems and IoT, for which he was elected Asia Pacific Best Young Researcher by IEEE Communication Society, the second largest society in IEEE. Dr. Li's research group has published in top journals and conferences in the field and has received over 4000 citations. Dr. Li serves the editor of *IEEE/ACM Transactions on Networking*, *IEEE Transactions on Mobile Computing*, as well as *IEEE Transactions on Wireless Communications*, the most prestigious journals for research in the field. Dr. Li received 2016 Nanyang Research Award for his outstanding research in which is the highest recognition to the individual research excellent in NTU.

Please refer to <http://www3.ntu.edu.sg/home/limo> for more information. Write to [limo@ntu.edu.sg](mailto:limo@ntu.edu.sg) if you have interest.