

Two Ph.D. Research Position in UMNI Lab from Purdue University, USA

Description

Dr. Satish Ukkusuri is a Reilly Professor with the Lyles School of Civil Engineering, Purdue University. He is the director of the Urban Mobility Networks and Intelligence (UMNI) Lab. He is the co-Editor in Chief of ACM Journal of Autonomous Transportation (JATS) and the Editor-in-chief of the Journal of Data Science for Transportation (DST). His research includes artificial intelligence, data science, urban science, network science, transportation engineering, and disaster engineering. He has published more than 350 papers on these topics in premier multidisciplinary journals (e.g., PNAS, Nature Machine Intelligence), transportation journals (e.g., transportation research part B/C/D/E, IEEE ITS), computer science conferences or journals (e.g., SIGKDD, UAI, SIGSPATIAL, IEEE TKDE). His research has been cited >13,000 times (Google Scholar).

Details

Two PhD student positions are available for funding as early as January 2024 or August 2024. The application deadline for spring is end of October 2023 and for Fall 2024 is January 1, 2024; (3) Full funding of >70,000 dollars per year will be available through a research assistant which includes tuition waiver and a graduate stipend; (4) The candidate should have a bachelor's or a master's degree in civil engineering, computer science, mathematics, industrial engineering, electrical and communications engineering, automation, or related fields with strong background/interest in networks, machine learning methods, optimization and programming in Python or C++; (5) TOEFL \geq 90 (If the candidate cannot get a minimum score, please contact Prof. Ukkusuri).

Previous Ph.D. Graduates in UMNI Lab

Past students who graduated from this lab are currently working in high-quality academic settings. Recent Ph.D. graduating from the UMNI lab and their employment is shown below:

2021: **Takahiro Yabe** (<https://www.takayabe.net/>) Assistant Professor, New York University; Postdoc, MIT, USA.

2021: **Hemant Gehlot** (<https://sites.google.com/view/hemantgehlots/home>) Assistant Prof., IIT Kanpur, India.

2019: **Tho V. Le** (<https://thovle.weebly.com/>) Assistant Prof., Purdue, USA; Postdoc, UC Davis, USA.

2018: **Xinwu Qian** (<https://eng.ua.edu/eng-directory/dr-xinwu-qian/>) Assistant Prof., University of Alabama, USA; Postdoc, Purdue, USA.

2018: **Wenbo Zhang** (<https://tc.seu.edu.cn/2019/1025/c25722a292579/pagem.psp>) Assistant Prof., Southeast University, Nanjing, China.

2017: **Xianyuan Zhan** (<http://zhanxianyuan.xyz/>) Assistant Prof., Tsinghua University, Beijing, China; Research Associate, Microsoft Research Asia, Beijing, China.

2016: **Feng Zhu** (<https://dr.ntu.edu.sg/cris/rp/rp00740>) Assistant Prof., Nanyang Technological University, Singapore.

2013: **Samiul Hasan** (<https://www.cecs.ucf.edu/shasan/>) Associate Prof., University of Central Florida, USA.

Contact

If you have a passion for solving societally relevant urban and transportation problems using original methods from artificial intelligence, data science, or operation research and work in top settings in academia or industry in the future, please contact existing Ph.D. students or Prof. Ukkusuri before applying Purdue online:

Zengxiang Lei (Tongji M.S.E.' 18; Tongji B.E.' 15): lei67@purdue.edu; **nanicolei** (Wechat ID).

Jiawei Xue (Purdue M.S.E.' 20; Tsinghua B.E.' 18): xue120@purdue.edu; **a199512345** (Wechat ID).

Prof. Ukkusuri: sukkusur@purdue.edu.

More Information

Application Requirement: <https://www.purdue.edu/gradschool/prospective/gradrequirements/westlafayette/civil.html>

UMNI Lab: <http://www.satishukkusuri.com/>

ResearchGate: <https://www.researchgate.net/profile/Satish-Ukkusuri>

Media Coverage:

<https://techxplore.com/news/2022-05-graph-neural-networks-spatial-homogeneity.html>

https://engineering.purdue.edu/CE/AboutUs/News/Transportation_Features/washim-uddin-mondal-receives-best-paper-award-at-neurips-2021