

THUY T. DO

doth02.luther.edu | <https://github.com/thuydt02>

RESEARCH INTERESTS

Optimization Problems in the intersection of Decentralized Computing and Machine Learning.

EDUCATION

- 09/2016 – 05/2022 **PhD in Computer Science**, UMass Boston
Dissertation: Edge Assignment and Data Evaluation in Federated Learning
- 09/2002 – 05/2004 **MS in Computer Science**, Viet Nam National University
- 09/1997 – 05/2001 **BS in Computer Science**, Viet Nam National University

ACADEMIC POSITIONS

- 09/2022 - present **Assistant Prof. of Computer Science**,
Luther College
- 09/2006 – 08/2016 **Senior Lecturer**
University of Transport and Communications, Ha Noi, Viet Nam
- 09/2001 – 08/2006 **Lecturer**
University of Transport and Communications, Ha Noi, Viet Nam

TEACHING EXPERIENCE

Have taught many college courses since 2001, including applied machine learning, programming, algorithms, applied discrete mathematics, network computing, and database management systems

REFEREED PUBLICATIONS

Journal Articles

1. **Thuy T. Do**, Duc A. Tran and Anh Vo. Edge Assignment in Edge Federated Learning, submitted to IEEE Access, under review June 2023.
2. Duc A. Tran, **Thuy T. Do**, and Ting Zhang. *A Stochastic Geo-Partitioning Problem for Mobile Edge Computing*. IEEE Transactions on Emerging Topics in Computing, March 2020, DOI: 10.1109/TETC.2020.2978229)

Conference Proceedings

1. **Thuy T. Do**, Du Nguyen, Anh Le, Anh Nguyen, Dong Nguyen, Nga Hoang, Uyen Le, and Tuan Tran. Understanding Public Opinion on Using Hydroxychloroquine for COVID-19

Treatment via Social Media”, 15th International Conference on Health Informatics, February 2022.

2. Duc A. Tran and **Thuy T. Do**. *A Geometrically Unified Network Coordinate System for Network Latency Estimation*. In Proceedings of the IEEE International Conference on Communications (ICC 2018), Kansas City, Kansas, May 2018.
3. Duc A. Tran and **Thuy T. Do**. *Power-of-Metric Embedding for Network Dissimilarity Estimation*. In Proceedings of the IEEE International Conference on Communications (ICC 2018), Kansas City, Kansas, May 2018.