

FENG YU – CURRICULUM VITAE

CONTACT

Position: Graduate Teaching Associate, Department of Mathematics, University of Central Florida

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EDUCATION

- Ph.D in Mathematics, *University of Central Florida*, Orlando, Florida 2016–Present
- M. S. in Mathematics, *University of Central Florida*, Orlando, Florida 2016-2018
- B. S. in Mathematics, *Southwestern University of Finance and Economics*, China 2012-2016
- B. E. in Economics, *Southwestern University of Finance and Economics*, China 2012-2016

WORK EXPERIENCE

- Graduate Teaching Assistant 2016–2019
- Graduate Research Assistant 2018–2019

TEACHING EXPERIENCE

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF CENTRAL FLORIDA

- Instructor for Calculus With Analytic Geometry III (MAC 2313) Fall 2019
- Teaching Assistant for ODE I (MAP2302) Summer 2017 & Fall 2018
- Teaching Assistant for Calculus I (MAP2311) Fall 2017 & Spring 2018

HONORS AND AWARDS

- ORC Doctoral Fellowship (\$25,000) 2016
- Outstanding Dissertation Award 2016
- Merit Student 2014 & 2015
- Scholarship for Research and Innovation 2014

PUBLICATIONS

JOURNAL PAPERS

1. Raj Gautam Dutta, Yaodan Hu, Yier Jin, Feng Yu, and Teng Zhang, SELvAgE: Design and Analysis of Secure Distributed Estimator for Vehicular Platooning in Adversarial Environment, accepted by *Transactions on Intelligent Transportation Systems, IEEE*
2. Feng Yu, Yi Yang and Teng Zhang, An Algorithm for Graph-Fused Lasso Based on Graph Decomposition, submitted to *Journal of Computational and Graphical Statistics*.
3. Qi Wang, Jingyue Yang, and Feng Yu., Global well-posedness of advective Lotka–Volterra competition system with nonlinear diffusion. *Proceedings of the Royal Society of Edinburgh: Section A Mathematics*, 1-27.
4. Qi Wang, Jingyue Yang, and Feng Yu, Boundedness in logistic Keller–Segel models with nonlinear diffusion and sensitivity functions. *Discrete & Continuous Dynamical Systems - A*, 2017, 37(9): 5021-5036.
5. Ke Wang, Qi Wang, and Feng Yu, Stationary and time periodic patterns of two-predator and one-prey systems with prey-taxis. *Discrete & Continuous Dynamical Systems - A*, 2017, 37(1): 505-543.

CONFERENCE PAPERS

1. Raj Gautam Dutta, Yaodan Hu, Yier Jin, Feng Yu, and Teng Zhang, Security for Safety: A Path Toward Building Trusted Autonomous Vehicles. *International Conference On Computer Aided Design*, 2018.

PROFESSIONAL SERVICE

REVIEWER FOR JOURNALS & CONFERENCES

1. IEEE Transactions on Intelligent Transportation Systems