

AMCS Day, Saturday August 27, 2022, room 110 MLH

- 9:00am Welcoming remarks
- 9:15am Umesh Arampath : *Deep Learning models for a Chest X-Ray Dataset and Interpretability*
- 9:35am Ibrahim Emirahmetoglu : *A Smoothing Algorithm for ℓ^1 Support Vector Machines*
- 9:55am Yao Yao : *Optimization of Partial AUC in a Range of FPRs*
- 10:15am Jingchao Gao : *Optimal compression for minimizing classification error probability: an information-theoretic approach*
- 10:35am Quentin Chediak : *Starting Approximations for Implicit Runge-Kutta methods*
- 10:55am Ying Liu : *Waves in Dynamical Systems with Adaptation*
- 11:15am Prof. Jia Lu (Mechanical Engineering) : *The role of collagen waviness in aneurysm rupture*
- 11:45am Lunch break
- 1:15pm Breanna Guppy : *A Brief Introduction to Kinetic Flux Profiling*
- 1:35pm Anna Leinheiser : *Modeling a Proposed Mechanism for Mitochondrial Fission*
- 1:55pm Daehan Choi : *Discovery of hidden parameters associated with unknown dynamics using neural network predictor*
- 2:15pm Mitchell Riley : *The effect of terazosin on the PGK1 step of glycolysis*
- 2:35pm Ethan Rooke : *Open questions for TDA Mapper*
- 2:55pm Andrew Pensoneault : *Ensemble Kalman Inversion for Parameter Estimation and Upstream Stream-flow Prediction*
- 3:15pm Jared Grove : *A k-medoids approach to exploring districting plans*
- 3:35pm Michael Kratochvil : *Algorithms to Solve Power Grid Expansion Optimization Problems*
- 3:55pm Violet Tiema : *A Data Driven Approach to a Multilayer Extreme Learning Machine*
- 4:15pm Prof. Ann Melissa Campbell (Business Analytics) : *Does Parking Matter in Routing for Last-Mile Deliveries?*
- 4:45pm Concluding remarks