

Workshop

When: TBD
Where: TBD



Large-scale Computation in Traffic Studies

The goal of this workshop is to assemble researchers and practitioners from the transportation, large-scale computing, and data science communities to address the challenges of integrating next-generation technologies into the design of transportation systems. Discussion topics include:

- Big Data Analytics and Data Science with Real-World Transportation Data:
 - Application of machine learning
 - Methods for addressing data veracity and data reduction
 - Data assimilation and modeling for large-scale urban area modeling
- Modeling and Prediction:
 - Modeling the decisions of millions of vehicles and drivers as they interact with service providers
 - Predicting the impact of new transit options on the system behavior
 - Mitigating the effects of incidents on the system

Speakers:

- Alex Bayen, Institute of Transportation Studies, UC Berkeley
- Brian Peterson, Connected Corridor Program, UCB/Caltrans
- Matei Stroila, HERE Technologies
- Prasanna Balaprakash, Argonne National Laboratory
- Gabriel Gomes, Institute of Transportation Studies, UC Berkeley
- Colin Sheppard, ETA, Lawrence Berkeley Laboratory
- Josh Auld, Argonne National Laboratory
- Cy Chan, Computing Research Division, LBNL