Research outputs:

**Multi-Output Gaussian Processes for Crowdsourced Traffic Data Imputation**

Research output: Research - peer-review › Journal article – Annual report year: 2019

**Multi-output bus travel time prediction with convolutional LSTM neural network**

Petersen, N. C., Rodrigues, F. & Pereira, F. C. 15 Apr 2019 In : Expert Systems with Applications. 120, p. 426-435
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Combining time-series and textual data for taxi demand prediction in event areas: a deep learning approach**

Rodrigues, F., Markou, I. & Pereira, F. C. 2019 In : Information Fusion. 49, p. 120-129
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Deep Learning from Crowds**

Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**Heteroscedastic Gaussian processes for uncertainty modeling in large-scale crowdsourced traffic data**

Research output: Research - peer-review › Journal article – Annual report year: 2018

**Real-Time Taxi Demand Prediction using data from the web**

Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**A Bayesian Additive Model for Understanding Public Transport Usage in Special Events**

Research output: Research - peer-review › Journal article – Annual report year: 2017

**Demand pattern analysis of taxi trip data for anomalies detection and explanation**

Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

**Event characteristics that disrupt transport system’s balance**

Research output: Research - peer-review › Paper – Annual report year: 2018

**Learning Supervised Topic Models for Classification and Regression from Crowds**

Use of Taxi-Trip Data in Analysis of Demand Patterns for Detection and Explanation of Anomalies

Using internet search queries to predict human mobility in social events

Activities:

6th AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2018) (Event)
Rodrigues, F. (Member) 5 Jul 2018 → 8 Jul 2018
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Deep Learning from Crowds
Rodrigues, F. (Speaker) 2 Feb 2018 → 7 Feb 2018
Activity: Talks and presentations › Conference presentations

Predicting for the adaptive transport system and other necessary ingredients for resilient urban mobility
Rodrigues, F. (Invited speaker) 15 Dec 2017
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

31st Conference on Neural Information Processing Systems
Rodrigues, F. (Participant) 4 Dec 2017 → 9 Dec 2017
Activity: Attending an event › Participating in or organising a conference

30th Annual Conference on Neural Information Processing Systems
Rodrigues, F. (Participant) 5 Dec 2016 → 10 Dec 2016
Activity: Attending an event › Participating in or organising a conference

Machine Learning for Transportation
Rodrigues, F. (Guest lecturer) 1 Jun 2016 → 3 Jun 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities