Publications:

**Efficient Transport Simulation With Restricted Batch-Mode Active Learning**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Multi-Output Gaussian Processes for Crowdsourced Traffic Data Imputation**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Combining time-series and textual data for taxi demand prediction in event areas: a deep learning approach**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Deep Learning from Crowds**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

**Event characteristics that disrupt transport system’s balance**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

**Heteroscedastic Gaussian processes for uncertainty modeling in large-scale crowdsourced traffic data**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Overview of traffic incident duration analysis and prediction**
Li, R., Pereira, F. C. & Ben-Akiva, M. E. 2018 In : European Transport Research Review. 10, 2, 13 p., 22  
Publication: Research - peer-review › Journal article – Annual report year: 2018

**Social network analysis in future transportation systems: Contributions on observability, behaviour and structure**
Publication: Research - peer-review › Editorial – Annual report year: 2018

**A Bayesian Additive Model for Understanding Public Transport Usage in Special Events**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Demand pattern analysis of taxi trip data for anomalies detection and explanation**
Enabling Bus Transit Service Quality Co-Monitoring Through Smartphone-Based Platform
Publication: Research - peer-review › Journal article – Annual report year: 2017

Enhancing Resilience to Disasters using Social Media
Publication: Research › Article in proceedings – Annual report year: 2018

Learning Supervised Topic Models for Classification and Regression from Crowds
Publication: Research - peer-review › Journal article – Annual report year: 2017

Probabilistic Modeling and Visualization for Bankruptcy Prediction
Publication: Research - peer-review › Journal article – Annual report year: 2017

Use of Taxi-Trip Data in Analysis of Demand Patterns for Detection and Explanation of Anomalies
Publication: Research - peer-review › Journal article – Annual report year: 2017

Mapping Social Media for Transportation Studies
Publication: Research - peer-review › Journal article – Annual report year: 2016

Uncertainty in Bus Arrival Time Predictions: Treating Heteroscedasticity With a Metamodel Approach
Publication: Research - peer-review › Journal article – Annual report year: 2016

Using internet search queries to predict human mobility in social events
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

DynaMIT2.0: architecture design and preliminary results on real-time data fusion for traffic prediction and crisis management
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Intelligent Transport Systems in the Smart City
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Projects:

Autonomous Bus Demand Modeling from Big Data
Peled, I., Pereira, F. C. & Dauwels, J.
01/01/2016 → 31/12/2020
Project: PhD
Traffic controlled by Air Quality - Organic City
Mikkelsen, T. N. & Pereira, F. C.
01/10/2017 → 31/03/2018
Project

Multi-model bus Arrival Prediction with Intelligent Handling of Uncertainties
Petersen, N. C., Pereira, F. C. & Heckscher, A.
01/02/2017 → 30/01/2021
Project: PhD

ATIS and modal shift: the role and the effectiveness of information provision and perception
Mehdizadeh Dastjerdi, A., Pereira, F. C. & Kaplan, S.
15/12/2015 → 30/06/2019
Project: PhD

Machine Learning and Mobility
Markou, I., Pereira, F. C. & Larsen, A.
15/12/2015 → 14/12/2018
Project: PhD

Intelligent Composition of Buffer Times in Railway Scheduling
Cerreto, F., Nielsen, O. A., Harrod, S., Pereira, F. C., Krasemann, J. T. & Preston, J.
15/12/2014 → 04/04/2018
Project: PhD

Activities:

Projects for Mobility in the Smart City
Peled, I. (Organizer), Pereira, F. C. (Organizer)
1 Jun 2018 → 30 Jun 2018
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.