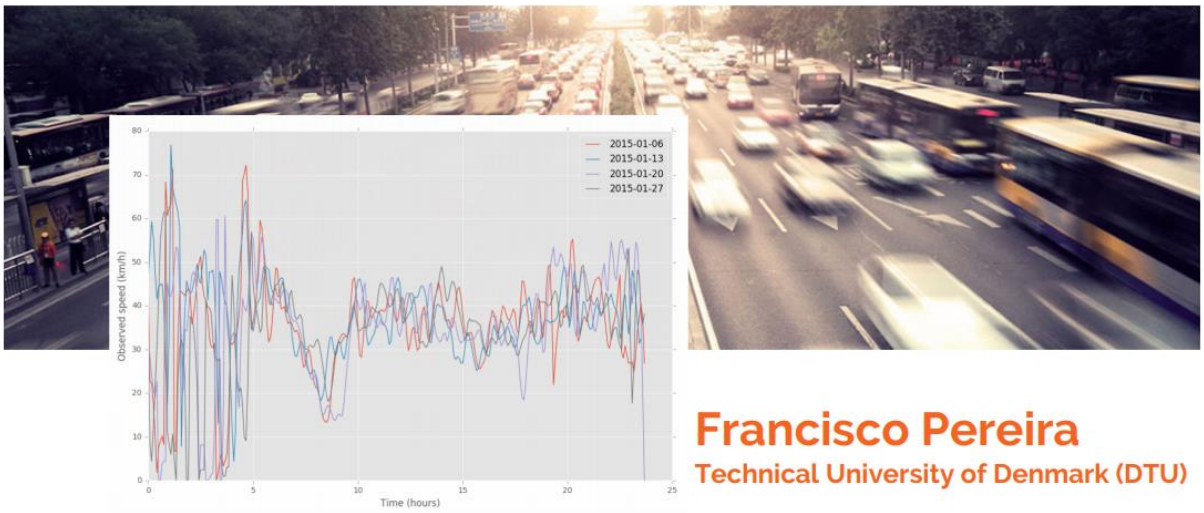
SCIENTIFIC SEMINAR

Predicting for the adaptive Transport System



Francisco Pereira
Technical University of Denmark (DTU)

Thursday 19 July – 10:30
Facoltà di Ingegneria - Aula Leuzzi nell'Area Trasporti

It is not uncommon that traffic prediction tools and research report very high accuracy. However, the very few such tools that exist in the market seem not to be performing as well as people would like, even though their accuracy may be in fact correspond to the announced. There is a paradox in the field: traffic prediction is not difficult most of the time (the routine conditions), but sometimes it becomes extremely hard (the non-recurrent events), which is often when it is needed! In fact, our transport system is moving to a paradigm where supply can adapt much faster to demand than before, and this brings new challenges to predictability. It becomes less acceptable to fail!
This presentation will focus on ongoing and past work from DTU, MIT, CISUC and Singapore-MIT Alliance for Research and Technology (SMART) related to treatment of non-recurrent events in traffic, and its interaction with system optimization.

Francisco Camara Pereira, Full Professor of Computer Science presso la Technical University of Denmark, svolge un'intensa attività di ricerca nel campo dell'intelligenza artificiale e in particolare sulle tecniche di machine learning ai problemi di mobilità e trasporti.
Nel mese di luglio è Visiting Professor Sapienza presso il Dipartimento di Ingegneria Civile, Edile e Ambientale.

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