

BMDA20 Workshop Program

March 30, 2020

13:45-15.00 Session 1: Welcome and Invited Talk

- Welcome: Chiara Renso & Karine Zeitouni
- Welcome: Ibad Kureshi (H2020 Track&Know grant)
- Invited talk: (keynote) Prof. Esteban Zimányi
MobilityDB: Managing Mobility Data in PostgreSQL

15.00-15.45 Session 2: Mobility Data Preprocessing and Enrichment

- Riccardo Guidotti, Mirco Nanni and Francesca Sbolgi
Data-Driven Location Annotation for Fleet Mobility Modeling
- Agnese Bonavita, Riccardo Guidotti and Mirco Nanni
Self-Adapting Trajectory Segmentation
- Behrooz Omidvar-Tehrani, Plácido A. Souza Neto, Francisco B. Silva Júnior and Felipe F. Pontes
Exploration of Interesting Dense Regions on Spatial Data

15.45-16.00 Break

16.00-16.45 Session 3: Big Trajectory Data Processing and Analytics

- Arnau Dillen, Giovanni Buroni, Yann-Aël Le Borgne, Karl Determe and Gianluca Bontempi
MOBI-AID: A Big Data Platform for Real-Time Analysis of On Board Unit Data
- Omid Isfahani Alamdari, Mirco Nanni, Roberto Trasarti and Dino Pedreschi
Towards In-Memory Sub-Trajectory Similarity Search
- Emanuele Carlini, Vinicius Monteiro de Lira, Amilcar Soares, Mohammad Etemad, Bruno Brandoli Machado and Stan Matwin
Uncovering vessel movement patterns from AIS data with graph evolution analysis

16.45-17.30 Session 4: Mobility Data Analytics and Applications

- Hanna Kavalionak, Massimo Tosato, Paolo Barsocchi and Franco Maria Nardini
Dynamic Wi-Fi RSSI normalization in unmapped locations

- Rodrigo de Oliveira E Silva, Ge Cui, Seyyed Mohammadreza Rahimi and Xin Wang
BR²: A Travel Behavioral Approach to Personalized Route Recommendation Based on GPS Trajectories
- Marta Galvani, Agostino Torti, Alessandra Menafoglio and Simone Vantini
A novel spatio-temporal clustering technique to study the bike sharing system in Lyon

17.30-17.45 Closing remarks