

BMDA 2021 @ EDBT

March 23th, 2021

Zoom



Organizers:

Cyril Ray, Arts & Métiers Institute of Technology and Naval Academy, France

Chiara Renso, ISTI-CNR, Pisa, Italy

Mahmoud Sakr, Université Libre de Bruxelles, Belgium

Yannis Theodoridis, University of Piraeus, Piraeus, Greece



This event has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreements No 957237 and 777695



Submissions



We received **12** submissions

Each paper received three reviews and evaluated for relevance, quality, and novelty

We selected **9** high quality papers

Out of which, **6** full and **3** demo papers

Camera Ready versions will be soon available under **CEUR Workshop Proceedings** @ <http://ceur-ws.org>

Selected papers will be invited for a Special Issue @ **Geoinformatica**
(details in the coming weeks...)

PC members



Gennady Andrienko, Fraunhofer Institute IAIS, Germany

Alexander Artikis, University of Piraeus and NCSR "Demokritos", Greece

Nicolas Baskiotis, Université Pierre et Marie Curie, France

Gianluca Bontempi, Université Libre de Bruxelles, Belgium

Eva Chondrodima, University of Piraeus, Greece

Michele Dallachiesa, University of Trento, Italy

Maria Luisa Damiani, University of Milan, Italy

Christos Doukeridis, University of Piraeus, Greece

Harris Georgiou, University of Piraeus, Greece

Kyoung-Sook Kim, National Institute of Advanced Industrial Science and Technology (AIST), Japan

Amr Magdy, University of California, Riverside, USA

Vinicius Monteiro de Lira, ISTI-CNR Pisa, Italy

Mirco Nanni, ISTI-CNR Pisa, Italy

Kostas Patroumpas, IMSI, Athena Research Center, Greece

Nikos Pelekis, University of Piraeus, Greece

Alessandra Raffaetà, Università Ca' Foscari Venezia, Italy

Loic Salmon, Institut de Recherche de l'École navale (IRENav), France

Amilcar Soares, Memorial University of Newfoundland, Canada

Panagiotis Tampakis, University of Piraeus, Greece

Robert Weibel, University of Zurich, Switzerland

Karine Zeitouni, University of Versailles-Saint-Quentin, France

Dimitrios Zisis, University of the Aegean, Greece

Sponsoring Projects



H2020: MASTER: Multiple Aspects Trajectory Management and Analysis

<http://www-master-project-h2020.eu>



H2020: VesselAI (Enabling Maritime Digitalization by Extreme-scale Analytics, AI and Digital Twins)

<https://vessel-ai.eu>



Schedule at a glance



9:05 - 9:40 : Keynote talk: **Using Large Trajectory Dataset for Quantifying Mobility**, Kristian Torp

9:40 - 10:40 : Session 1

10:50 - 11:50 : Session 2

12:00 - 13:00 : Session 3

- M. Nanni et al. **City Indicators for Mobility Data Mining**
- A. Tritsarolis et al. **Online Co-movement Pattern Prediction in Mobility Data**
- A. Graser, **Notebook-based Visual Analysis of Large Tracking Datasets**
- M. Liatsikou et al. **A Denoising Hybrid Model for Anomaly Detection in Trajectory Sequences**
- M. Abboud et al. **Micro-environment Recognition in the context of Environmental Crowdsensing**
- G. Buroni et al. **A tutorial on network-wide multi-horizon traffic forecasting with deep learning**
- E. Ntoulis et al. **Online trajectory analysis with scalable event recognition**
- G. Rovinelli et al. **Multiple aspect trajectories: a case study on fishing vessels in the Northern Adriatic sea**
- F.H.O. Abreu et al. **Local Anomaly Detection In Maritime Traffic Using Visual Analytics**

13:00 - 13:20 : Discussion and closing

Many thanks...



... to the whole EDBT organization

Special thanks to Workshop Chair who assisted us through the whole workshop organization

... to the keynote speaker and all authors for their interest in BMDA and for their kind collaboration!

... to the participants (**you !!**)

The BMDA Workshop Series



<http://www.datastories.org/bmda/>

BMDA editions:

1st BMDA, with EDBT 2018, Vienna, Austria

2nd BMDA, with EDBT 2019, Lisbon, Portugal

3rd BMDA, with EDBT 2020, Copenhagen, Denmark (virtual)

4th BMDA, with EDBT 2021, Nicosia, Cyprus (virtual)

Hopefully ... **5th BMDA, with EDBT 2022, Edinburgh, Scotland**

Let's build together the  community!
