



**Big Data Analytics:**  
lançando luz dos genes ao cosmos

## 1<sup>st</sup> Joint MASTER-CAPES/Print Workshop

November 2019, 11-12

EFI/UFSC and Quinta da Bica d'Água Hotel  
Florianópolis, SC, Brazil

The first MASTER/Print Workshop aims at bringing together researchers that take part in the MASTER or CAPES/Print project, or people interested in the effective management and analysis of spatio-temporal or sequential data, which is the focus of both research projects.

The workshop program comprises three keynote speakers and several talks, which are detailed in the following. Each talk has one hour duration: 40 minutes for presentation and 20 minutes for round table discussion.

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### Program

**November, 11<sup>th</sup>** (9:45-12:00)

**venue:** *Espaço Físico Integrado (EFI/UFSC)*

9:45 - **Workshop Opening** (Vania Bogorny and Ronaldo S. Mello - UFSC, Brazil)

10:00 - **Keynote 1: "Experiences in preparing, coordinating and evaluating European funded projects with special focus on Brazilian partnerships"** (Dr. Chiara Renso - CNR, Italy - MASTER project coordinator)

11:00 - **Keynote 2: "Efficient and scalable solutions for Big Data processing"** (Dr. Raffaele Perego - CNR, Italy)

**November, 11<sup>th</sup> (14:00-18:30)**

**venue: Quinta da Bica d'Água Hotel**

*Session 1 - Multidimensional Sequences*

14:00 - **Talk 1: "An overview of multidimensional sequence similarity"** (Vania Bogorny - UFSC, Brazil - CAPES/Print project coordinator)

15:00 - **Talk 2: "A Method for multidimensional sequence classification"** (Luis Otavio Campos Alvares - UFSC, Brazil)

16:00 - **Coffee break**

*Session 2 - Multiple Aspect Trajectories*

16:30 - **Talk 3: "Multiple aspect trajectories: overview of research progress in MASTER"** (Chiara Renso - CNR, Italy - MASTER project coordinator)

17:30 - **Talk 4: "Multiple aspect trajectories modeling and integration"** (Ronaldo S. Mello - UFSC, Brazil)

**November, 12<sup>th</sup> (10:00-17:30)**

**venue: Quinta da Bica d'Água Hotel**

*Session 3 - Applications and Interdisciplinary Issues*

10:00 - **Keynote 3: "Holistic trajectory management in the maritime scenario"** (Dr. Iraklis Varlamis - Harokopio University of Athens, Greece)

11:00 - **Talk 5: "In silico analysis and biological significance from genomic data"** (Edmundo Carlos Grisard - UFSC, Brazil)

12:00 - **Lunch at Quinta da Bica d'Água hotel**

*Session 4 - Urban Mobility*

14:00 - **Talk 6: "Trajectory abstraction and compression in the urban mobility scenario"** (Christos Sardianos - Harokopio University of Athens, Greece)

15:00 - **Talk 7: "Proposition of mobility indicators based on traffic information"** (Fabiano Baldo - UDESC, Brazil)

16:00 - **Coffee Break**

16:30 - **Round Table and Collaboration Opportunities**

17:30 - **Workshop Closing**

## Keynotes



### **Chiara Renso**

Chiara Renso is a researcher at the ISTI Institute of CNR, the largest CNR institute involved in ICT Research. Her main research interests are in the area of mobility data mining, machine learning for mobility data, semantic enrichment of trajectory data. She has published more than 100 papers on these topics on peer-reviewed journals, books, and proceedings of international workshops/conferences. She had participated into several activities in European and national projects. She was the project coordinator of a FP7-MarieCurie-IRSES project named SEEK and the coordinator of an international bilateral project CNR-CNPQ (Brazil) from 2012 to 2014. She is currently the project coordinator of the H2020-MSCA-RISE project called MASTER. She is an expert evaluator for the H2020 program of the European Commission.



### **Raffaele Perego**

Raffaele Perego is a senior researcher with ISTI-CNR, where he leads the HPC Lab (<http://hpc.isti.cnr.it/>). His main research interests include high performance computing, web information retrieval, and data mining. He co-authored more than 140 papers on these topics published in journals and proceedings of international conferences. For more information: <http://hpc.isti.cnr.it/~raffaele>.



### **Iraklis Varlamis**

Iraklis Varlamis is an Assistant Professor at the Department of Informatics and Telematics of Harokopio University of Athens. His research interests vary from data mining and the use of semantics in web mining to social network analytics and knowledge extraction from social media and the news. He has published several articles in international journals and conferences, concerning web document clustering, the use of semantics in web link analysis and web usage mining, word sense disambiguation using thesauruses, etc.

## **Registration** (open until November, 6<sup>th</sup>)

Workshop registration can be done through two Doodle links.

If you intend to attend **the two first keynotes at EFI/UFSC**, please access the link (limited to 180 registrations):

<https://doodle.com/poll/bfaxuu3kw6s6rnxy>

If you intend to attend **the rest of the Workshop at Quinta da Bica d'Água Hotel**, please access the link (limited to 35 registrations):

<https://doodle.com/poll/eu32mqfn3bakp4ah>

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## **More Information**

For more information, please contact the workshop chairs:

- Vania Bogorny - [vania.bogorny@ufsc.br](mailto:vania.bogorny@ufsc.br)
- Ronaldo S. Mello - [r.mello@ufsc.br](mailto:r.mello@ufsc.br)

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## **Sponsors**

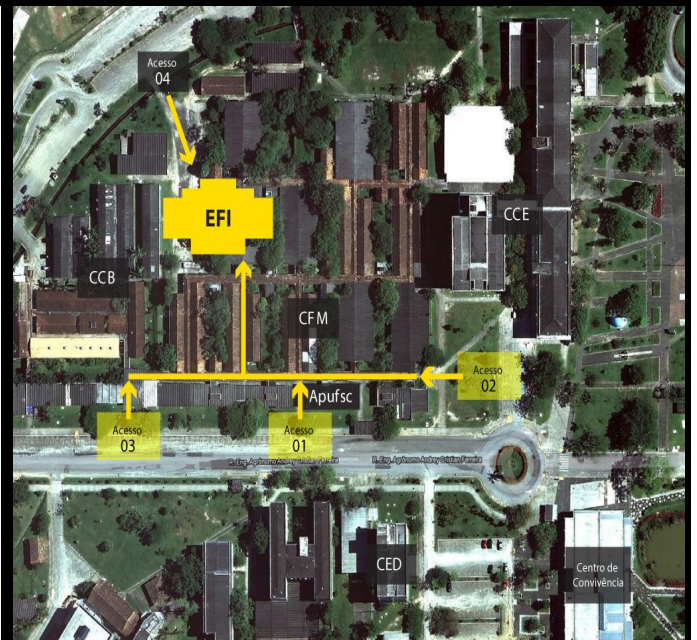
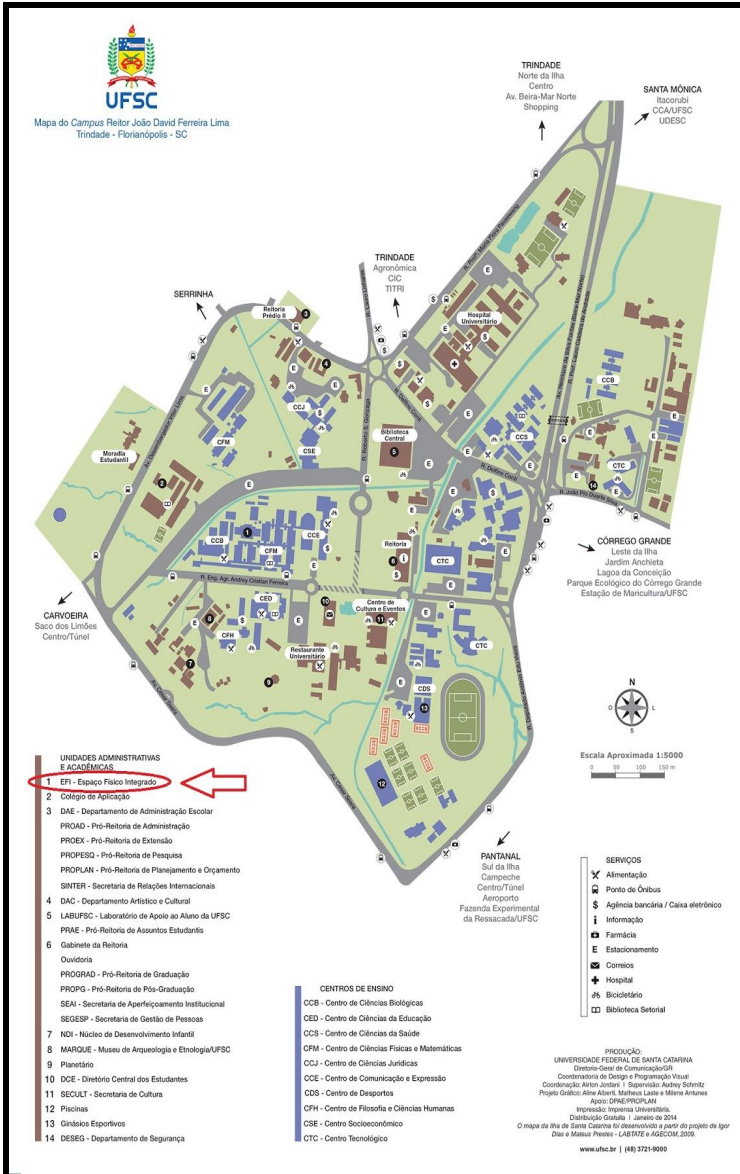
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# Venues

## EFI/UFSC (Espaço Físico Integrado da UFSC)

EFI/UFSC is a 6 floor building at UFSC Campus. It is located behind the Centro de Ciências Físicas e Matemáticas (CFM). From CFM you can reach the main EFI entrance. On coming by car, the easiest way to arrive is Acesso 4. The Workshop will take place at the EFI Auditorium at.



# Quinta da Bica d'Água Hotel

Quinta da Bica d'Água is a very pleasant and woody hotel located close to UFSC Campus. You can reach the hotel from Carvoeira UFSC exit. The workshop will take place at the Azaléia Room.

**Hotel address: 641, Capitão Romualdo de Barros street**

