



# MAPIS 2019

## FIRST MAPI SEMINAR

*January 31, 2019*  
*University of Aveiro*

The first MAPI Seminar (MAPiS) is a national scientific meeting in the field of Computer Science whose main target audience are MAPI associated researchers and research groups, MAPI Ph.D. students and Ph.D. students in general.



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DOCTORAL PROGRAMME  
IN COMPUTER SCIENCE

# SCHEDULE

- 09:30 - 10:00** Registration
- 10:00 - 10:15** Welcome Session (Open Ceremony)
- 10:15 - 10:35** *Comparison Study of Well-Known Inverted Pendulum Models for Balance Recovery in Humanoid Robot* - **Seyed Mohammadreza Kasaei**
- 10:35 - 10:55** *On the use of the Finite Element Method to Represent Real-World Phenomena in Spatiotemporal Databases* - **Seyed Mohammadreza Kasaei**
- 10:55 - 11:10** Coffee Break
- 11:10 - 11:45** *Alien Intelligence?*  
**Liliana Ferreira (Keynote Speaker)**
- 11:45 - 12:05** *Clustering of Time Series using Visibility Graphs and Quantile Graphs* - **Vanessa Silva**
- 12:05 - 12:25** *Heart Failure Prediction using Real Data Processed by Machine Learning Techniques* - **Daniel Badran**
- 12:25 - 12:45** *Review of Recent Work on Computational Intelligence in Games* - **Fernando Duarte**
- 12:45 - 14:30** Lunch
- 14:30 - 14:50** *Techniques for Improving the Efficiency of Functional Programs* - **Francisco Ribeiro**
- 14:50 - 15:10** *NFV Management and Orchestration: Analysis of OSM and ONAP* - **Nuno Simões**
- 15:10 - 15:30** *An Overview on Bidirectional Transformations* - **José Nuno Macedo**
- 15:30 - 15:50** *GreenSource : Repository tailored for Green Software Analysis* - **Rui Rua**
- 15:50 - 16:05** Coffee Break
- 16:05 - 16:40** *AI-Driven Network Operations*  
**Pedro Miguel Neves (Keynote Speaker)**
- 16:40 - 17:00** *Survey on Well-known User-interface Design Rules* - **Amir Rastegar Lari**
- 17:00 - 17:20** *The Future Architecture for Internet of Things - A Review* - **Akilu Rilwan**
- 17:20 - 17:40** *An overview of Sentiment Analysis with Domain Specific Lexicon* - **Shamsuddeen Muhammad**
- 17:40 - 17:50** Best Presentation Award Decision (Voting Period)
- 17:50 - 18:00** Award Ceremony and Closing Session