

**Research Summit 2026**

**CIDMA PhD Students Session on “Mathematics and Applications”**

**Date:** Friday, July 17; **Place:** 23.3.5

**Time:** 9h00 to 10h30

**Contents:** 7 presentations, 10 minutes each presentation

**Chair:** Delfim F. M. Torres

1. Luís Sousa ([luis Sousa@ua.pt](mailto:luis Sousa@ua.pt)), General model-based clustering methods for time series of counts and anomaly detection.
2. Joana Martins ([joana Martins87@ua.pt](mailto:joana Martins87@ua.pt)), The role of AI assistance in learning and developing R-based tools.
3. Vanusa Rocha ([vanusa@ua.pt](mailto:vanusa@ua.pt)), Revisiting bootstrap inference for Rosenthal's fail-safe number: truncation and epsilon-correction effects.
4. Rui Martins ([martins.rui@ua.pt](mailto:martins.rui@ua.pt)), An open-source EIDORS extension for Magnetic Detection Electrical Impedance Tomography image reconstruction problems.
5. Ramzi Abdelhadi Zaitri ([ramzi.zaitri@ua.pt](mailto:ramzi.zaitri@ua.pt)), Mixed Dynamic Equations and Applications.
6. Ana Henriques ([anac@ua.pt](mailto:anac@ua.pt)), Statistical Analysis of the Influence of Neurodevelopmental Disorders on Attitudes Toward Mathematics for Primary School Students.
7. Diana Limón ([dangelica.vazquezl@ua.pt](mailto:dangelica.vazquezl@ua.pt)), Dimensionality reduction methods for complex structured (3-way) and mixed-data.



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