

Rui Pedro Paiva is a Professor at the Department of Informatics Engineering of the University of Coimbra.

He concluded his Doctoral, Master and Bachelor (Licenciatura - 5 years) degrees, all in Informatics Engineering at the University of Coimbra, in 2007, 1999 and 1996, respectively. Prof. Dr. Rui Pedro Paiva is a member of the Cognitive and Media Systems and Adaptive Computation research groups at the Center for Informatics and Systems of the University of Coimbra ([CISUC](#)). His main research interests are in the areas of Music Information Retrieval (MIR) and Medical Informatics. The common research "hat" is the study of feature engineering, applied machine learning and digital signal processing techniques applied to bio and musical signals. He has coordinated and participated in several [projects](#) in the above fields and [publishes](#) actively in the main conferences and journals in his areas of research, with a record of of around 110 papers in scientific journals and conferences. In 2004, his algorithm for melody detection in polyphonic audio won the ISMIR'2004 [Audio Description Contest](#) - melody extraction track, the 1st worldwide contest devoted to MIR methods.

In October 2012, he and his doctoral student Renato Panda developed an algorithm that performed best in the MIREX 2012 Audio Train/Test: Mood Classification task. More details in [http://www.music-ir.org/nema\\_out/mirex2012/results/act/mood\\_report/summary.html](http://www.music-ir.org/nema_out/mirex2012/results/act/mood_report/summary.html).