

# Curriculum

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Dados pessoais:

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situação profissional atual: professor auxiliar no Departamento de Matemática da Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa (FCT/UNL)

## Experiência profissional:

<i>Professor no ensino secundário durante os anos letivos de 1882/83 e 1983/84</i>
<i>Assistente estagiário na FCT/UNL de 1884 a 1986</i>
<i>Assistente na FCT/UNL de 1986 a 1992</i>
<i>Professor auxiliar na FCT/UNL de 1992 a 2019</i>

## Publicações:

-*Décomposition formelle d'un système microdifférentiel aux points génériques. Annales de l'institut Fourier, 42 no. 4 (1992), p. 779-803*

-*A Contribution for the Automatic Sleep Classification Based on the Itakura-Saito Spectral Distance, Emerging Trends in Technological Innovation*

*First IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2010, Costa de Caparica, Portugal, February 22-24, 2010. Proceedings*

-*"Filling in the Gap: a general method using neural networks", Computing in Cardiology, 2010, vol 37*

-*"Fetal ECG detection in abdominal recordings: a method for QRS location", Computing in Cardiology 2013, vol 40*

-*Fetal beat detection in abdominal ECG recordings: global and time adaptive approaches, Physiological Measurement, 35, 2014*

-*Suppression of False Arrhythmia Alarms Using ECG and Pulsatile Waveforms, Paula Couto, Ruben Ramalho, Rui Rodrigues, Computing in Cardiology 2015; 42:pp 749-752*

-*Detection of false arrhythmia alarms with emphasis on ventricular tachycardia, Rui Rodrigues and Paula Couto, 2016, Institute of Physics and Engineering in Medicine, Physiological Measurement, Volume 37, Number 8*