

Department of Electrical and Electronic Engineering

Professor

CTS-UNINOVA
Unit A1 (Micro & Nanoelectronics and Telecommunications)



Rui Santos-Tavares

Professor at DEE and researcher at CTS-UNINOVA. His scientific interests are in the area of electronic design automation of analog circuits and systems (EDA/CAD), in modern CMOS nanotechnologies.

<http://docentes.fct.unl.pt/rmt/>

Objectives

Research in the following areas:

- Automatic Circuit Block Generation (CMOS Amplifiers);
- Circuit Design Optimization (in Time-Domain);

Advanced education

- M. Sc. (MIEEC) and PhD courses (PDEEC)

Perform Technology transfer

- Collaboration with national and international institutions

Methodology

- Fundamental and Applied Research, and advanced education in collaboration with national and international Universities and research centers.
- Development of advanced techniques to help design integrated circuits in modern CMOS nano-technologies.
- Explore new computing paradigms, e.g. **Cloud**

Expected Results

Software framework and tools to help in the analog circuit design flow.

Integrated prototyping of state-of-the-art circuits and systems (SoCs) in advanced, deep-nanoscale CMOS technologies (beyond the 28nm node).

Publications in major international journals and conferences.

