

Department of Electrical and Electronic Engineering

Professor

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



Luis Bica Oliveira

Professor at DEE and researcher at CTS-UNINOVA. His current research interests are on RF oscillators, PLLs, LNAs, Mixers, and other building blocks for RF integrated transceivers, in modern CMOS nanotechnologies.  
<http://docentes.fct.unl.pt/l-oliveira>

## Objectives

Research in the following areas:

- RF Circuits (LNAs, Mixers, Filters, and complete transceivers)
- Biomedical applications (TIA amplifiers for PET scanners)

Advanced education

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

Perform Technology transfer

- Collaboration with national and international companies

## Methodology

- Fundamental and Applied Research, and advanced education in collaboration with national and international Universities and research centers.
- Development of advanced integrated circuits in modern CMOS nanotechnologies and scientific support for technology transfer to the industry.

## Expected Results

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.

