Curriculum Vitae

Rodrigo Martins, Portuguese nationality, was born in Nova Lisboa, Angola.
He got in 1974 the Honours degree in Electronics Engineering, Telecommunications and applied Electronics by U. Luanda, Angola/ PT. In 1977 he got the MSc degree in Semiconductor Materials, by the University of Dundee, Scotland. Thesis title: "Photoconductivity in P Doped and Undoped Amorphous Germanium." Supervisor W. Spear, 1977 Euro physicist award. In 1982, the Ph.D. in Energy conversion and Semiconductors, by New University of Lisbon, Portugal. Thesis title: "a-Si:H solar cells processing and characterization". In 1988 he got the Habilitation in Semiconductor Materials and Microelectronics, by New University of Lisbon, Portugal. Lesson title: "Density of states in disordered semiconductors". Full Professor at FCT-NOVA since 2002 in the area of Materials Engineering, speciality Materials for Energy, Microelectronics and Nanotechnologies.

Today has the following functions:

President of the European Academy of Sciences; President of the International Union of Materials Research Societies; Member of Scientific Council of the European Research Council.
Member of:

- Portuguese Academy of Engineering.
- Portuguese Order of Engineers, OE.
- Board of Admission and Qualification of OE.
- Chair of the Scientific technical council of AlmaScience:

Rodrigo Martins is the founder and director of the Centre of Excellence in Microelectronics and Optoelectronics Processes of Uninova; director of the CENIMAT|i3N and leader of the Materials, Optoelectronics and Nanotechnologies group. Editor in Chief of the journal Discover Materials, since 2020.
Member of the:

- ✓ Nomination committee of the EIT KIC Raw Materials,
- ✓ Steering Committee of European Technology Platform for Advanced Engineering Materials and Technologies, EuMat.
- ✓ Joint Innovation Centre for Advanced Material Sino-Portuguese.
- ✓ administration board of the nature journal: npj 2D Materials and Applications.
- ✓ administration board of the Portuguese battery association cluster, BATPOWER, involving more than 40 partners, coming from academy and industry sectors (2021).
- ✓ Founder of the collaborative laboratory AlmaScience (2019)
- ✓ Founder of the Portuguese cluster association in Advanced Functional Materials, involving 12 municipalities, 20 enterprises and 7 RTO/Universities.

Fields of expertise:

He is expert in the fields of: advanced functional materials for electronics and energy applications; nanotechnologies, microelectronics, transparent electronics (pioneer) and paper electronics (inventor), with more than 750 papers published in WoK, holding an h factor of 82, with more than 32000 citations. He is author in 5 books and 31 book chapters and editor in 8 books. Here, we would highlight the last book (2020): R. Martins, H. Águas, E. Fortunato, *Energia Fotovoltaica: Materiais e Aplicações*, Volumes I and II, Nova FCT Editorial, 2020 (8845 pages).

Scientific production, patents awards and honors conceived

Rodrigo Martins was decorated with the gold medal of merit and distinction by the Almada Municipality for his R&D achievements, in 2016. He got more than 20 international and national prizes and distinctions for his work. ORCID: http://orcid.org/0000-0002-1997-7669: Webpage: https://cemop.uninova.pt/

Involvement in Research Projects

Rodrigo Martins holds 118 patents designed (12 are trademark registration), 52 granted and 7 patents pending related to oxide semiconductors, paper electronics, energy devices, processing technologies; electrochromic devices, memory devices; CMOS technology full oxide based; photodetectors, ink processing; smart biodetection platforms; x-ray and photodetectors.
As far as projects are concerned, he has been involved in 177 projects (from which 80 are national), coordinated 52, was responsible in 65, co-responsible in 11 and active member in 48, involving total budget of 51,059,524.24 €.