

RODRIGO Ferrão de Paiva Martins



Director of CENIMAT|i3N & CEMOP/UNINOVA

Full Professor

President of European Academy of Sciences - [EurASc](#)

Former President of International Union of Materials Research Society - [IUMRS](#)

Former Member of the Scientific Council of the [European Research Council](#)

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 Materials Engineering, speciality Materials for Energy, Microelectronics and Nanotechnologies.



NOVA SCHOOL OF SCIENCE AND TECHNOLOGY | FCT NOVA

Universidade NOVA de Lisboa,
Campus de Caparica
2829-516 Caparica | Portugal



(+351) 218 724 553



rfpm@fct.unl.pt
rm@uninova.pt



[0000-0002-1997-7669](#)



[Martins, Rodrigo Ferrão
P.Paiva](#)



[Martins, R. M. S.](#)



[Rodrigo Ferrão Paiva Martins](#)

Rodrigo Martins, President of the EurASc - [European Academy of Sciences](#), Full Professor of Faculty of Sciences and Technology of New University of Lisbon in the field of Advanced Functional Materials and Microelectronics; Director of the Centre of Excellence in Microelectronics and Optoelectronics Processes of the Institute of New Technologies – [CEMOP](#) ; Director of the Centre of Advanced Materials, [CENIMAT](#); President of the administration board of the Portuguese cluster in Advanced Materials (NANOMAT); member of the administration board of the Portuguese cluster on Batteries ([BatPower](#)); Chair of the [European Committee Affairs](#) of European Materials Research Society; Former President of the International Union of Materials Research Societies – [IUMRS](#) ; Former member of the [Scientific Council](#) of the European Research Council ; Editor in Chief of the [Journal Materials Discover](#), from Nature-Springer; member of the international advisory board of Advanced Electronics Materials from Wiley.

Fields of expertise: advanced functional materials for electronics and energy applications; nanotechnologies, microelectronics, transparent electronics (pioneer) and paper electronics (inventor), with more than 900 papers published (*Web of Science and Google Scholar*), holding an h factor of 82, with more than 30650 citations. Author in 5 books and 31 book chapters and editor in 8 books. With 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). Apart of that he gave in conferences and workshops so far 147 plenary talks; 257 invited talks; 109 oral presentations and 95 posters.

Patents, awards, and honours: conceived patents (12 are trademark register) and have 7 pending patents related to oxide semiconductors, paper electronics, energy devices, processing technologies; electrochromic devices, memory devices; CMOS technology full oxide based; photodetectors, ink processing; smart bio detection platforms; x-ray and photodetectors. He was decorated with the gold medal of merit and distinction by the Almada Municipality for his R&D achievements, in 2016; he received in 2021 the Career and Recognition Award given by the Portuguese Society of Materials; 2021 Research Nova-Altice Award, in his first edition. Besides that, he got more than 18 international and national prizes and distinctions for his work.

Involvement in Research Projects: 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 €.