

João Miguel Nóbrega, PhD



University of Minho

Institute for Polymers and Composites/i3N

Campus de Azurém
4800-058 Guimarães, Portugal

Telephone: +351 253 510320

mnobrega@dep.uminho.pt

J. Miguel Nóbrega is an Assistant Professor at the Polymer Engineering Department of the University of Minho, and member of the Institute for Polymers and Composite, a research unit from the Institute of Nanostructures, Nanomodelling and Nanofabrication Associated Laboratory. In 2004, he received his PhD degree in Polymer Science and Engineering from the University of Minho.

He is vice-president of the Portuguese Society of Rheology, executive editor of The Ibero-American Journal of Rheology, editor of OpenFOAM® Wiki and a founder member of the OpenFOAM® Technology Portuguese Users Group.

His research activity lies on three overlapping areas: product development, polymer processing and material rheology. For this purpose, he has been developing computational rheology tools to model the flow of complex fluids in various polymer processing techniques. Regarding the product development area, he has been involved on the design and manufacture of polymeric products for several fields, comprising applications for health, textile, sensing/monitoring, construction and mobility.

In 2014 Miguel Nóbrega joined the OpenFOAM® Extend community, focusing, since then, its main numerical developments in this open source computational library. In 2016 he was the chair of the 11th Workshop OpenFOAM, which took place in Guimarães, Portugal.

He was/is involved in the supervision/co-supervision of 7 Post-Doc Researchers, 9 PhD Thesis (4 completed), 31 MSc Thesis, in 17 scientific research projects (2 as principal investigator) and 32 applied research projects for private companies (9 as principal investigator).

He is author/co-author of 1 book, 16 book chapters, 68 papers published in international refereed journals, 9 patents (3 international) and circa 160 communications presented in conferences (14 invited).