



J. Miguel Nóbrega is an Associate Professor at the Polymer Engineering Department of the University of Minho, and a member of the Institute for Polymers and Composites. In 2004, he received his Ph.D. degree from the University of Minho, in Polymer Science and Engineering. He is the Digital Transformation in Manufacturing area leader of the MIT Portugal Program, the president of the Portuguese Society of Rheology General Assembly, editor of OpenFOAM Wiki and OpenFOAM Journal, founder member of the Iberian OpenFOAM Technology Users, member of the OpenFOAM Workshop Committee, and integrates the Guimarães Science Museum Directory Board. His research activity lies in three overlapping areas: product development, polymer processing, and material rheology. For this purpose, he has been developing computational rheology tools to model the behavior of complex materials for different manufacturing processes.

Regarding the product development area, he has been involved in the design and manufacture of products for several fields, comprising applications for health, textile, sensing/monitoring, construction, and automotive/mobility.

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