

## **Rafael Vila**

Rafael Vila is a highly experienced researcher with a PhD in Physical Sciences from the *Universidad Complutense de Madrid*.

He has been a researcher at the *Laboratorio Nacional de Fusión* (LNF) at CIEMAT since 1987. His work has focused on the study of materials problems in fusion reactors. Activities during these years included both experimental and simulation studies of radiation effects on electrical, dielectric, optical, microstructural and transport properties of functional and structural materials for fusion applications.

In addition to his research activities, Vila has held various coordinating roles in the field of radiation effects on materials, leading several coordinated projects funded by Spanish government.

Since 2014, he has been the group leader of the EUROfusion WPMAT-FM, which is the EU work programme dedicated to the research and development of the functional materials that will be included in the future DEMO reactor. He is responsible for defining the tasks, long term objectives and monitoring the results, especially neutron irradiation tests.

From 2008 until very recently, he has also been the Head of the Fusion Materials Unit at the LNF of CIEMAT-Madrid.

He has supervised several PhD theses on fusion materials and is the author of more than 100 publications in international journals.