

Name : Shimpei FUTATANI

Job title : Senior Researcher

Department : Department of Physics

Organization : Universitat Politècnica de Catalunya (UPC)

Short CV

Shimpei Futatani obtained two independent PhD degrees in plasma physics at Kyoto University in Japan (2008) and Aix-Marseille University in France (2009). In 2010, he was appointed as a postdoctoral researcher at the ITER Organization via Monaco Postdoctoral Fellowship (a highly competitive fellowship awarded to only 5 people from across the world once every two years). In ITER, he contributed to the development of an advanced non-linear MHD simulation code (JOEKE) by incorporating the physics process involved in the pellet ablation which controls MHD instabilities. In 2014, he was appointed as a senior researcher at Barcelona Supercomputing Center. Currently, starting 2018, he is a senior researcher at University of Politècnica de Catalunya. He contributes international projects of the computational analysis of MHD simulations of fusion plasmas in close collaborations with existing experimental fusion devices and implications for ITER.