

Name : Shimpei FUTATANI

Job title : Senior Researcher

Department : Department of Physics

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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 (JOREK) 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 with close collaborations with existing experimental fusion devices.