

IFERC Newsletter

The IFERC logo consists of the letters "IFERC" in a bold, black, sans-serif font, enclosed within a light pink, horizontally-oriented oval shape.

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International Fusion Energy Research Centre, Rokkasho, Aomori 039-3212, Japan

Staff Corner

New Staff: Jose Carlos Rivas



I am a Seconded National Expert coming from the Technical University of Catalonia in Barcelona, Spain. I arrived at the end of May, and my impression of Rokkasho after a month can be summarized in two words: beautiful country.

I feel very happy about being here at IFERC, working to make a future fusion reactor possible. My task is to adapt the AINA code, a safety code used in the past for ITER, for DEMO safety studies, and to participate in performing safety studies with the new code. I wish to contribute as much as possible to the safety of a future DEMO reactor.

I have a background as a generalist engineer, a master in Plasma and Fusion Energy, and another master in Aerospace Science and Engineering. My scientific interests usually revolve around plasma science and engineering.

Before coming here, I worked at the Fusion Energy Engineering Laboratory of the Technical University of Catalonia for seven years, where I developed safety studies for ITER and systems studies for DEMO.

I will present my PhD dissertation in 2015, which will be about fusion reactor studies, both for safety and systems activities.

During my thesis work, I have developed the AINA 3.0 code, able to simulate plasma-wall transients. In addition, I also developed a systems code for DEMO, able to find equilibrium design points useful for the conceptual design activities.

I live in Rokkasho alone, and spend my free time running, swimming and sightseeing, and I am doing my best to learn Japanese.

As a hobby, I like to participate in technical projects with friends. I collaborated with friends in a project for the electrification of a classic car. I also collaborated with another friend in his project of a home-made stellarator machine. If you are interested you can find information in the following links:

https://www.youtube.com/watch?v=a110t16_jB0,

<http://www.fusionvic.org/>

Life in Rokkasho is strikingly different from life in a big city like Barcelona. However, I am enjoying this change of scenery (and weather) as much as I can. In the picture below I am enjoying a ramen soup at a restaurant in Rokkasho.

