

Collaboration in Fusion Codes & Standards: Practices from SWIP and a Call for Global Partnership

As a pioneer in Chinese fusion research and a key part of China Fusion Energy Company, the Southwestern Institute of Physics (SWIP) is at the forefront of developing vital Codes & Standards (C&S). This presentation shares our experience in establishing key domestic standards (covering vacuum, materials, breeding blankets, and safety) and leading international efforts, including publishing the first dedicated fusion standard and developing new ones within ISO.

We will provide a practical case study on the challenges of international co-development, such as reconciling technical viewpoints and managing complex stakeholder input. Finally, we aim to initiate broader collaboration with global partners to jointly address gaps and accelerate the development of a unified global C&S framework for commercial fusion energy.

Technical Categories Addressed

Other Systems

Speaker's title

Mr

Speaker's email address

guoliangshaw@163.com

Country/Int. organization

China

Affiliation/Organization

Southwestern institute of physics, CNNC

Author: XIAO, Guoliang (Southwestern Institute of Physics, China)

Co-authors: Dr ZHONG, Wulyu (CnSWIP); CAI, Lijun (Southwestern Institute of Physics); WANG, Xiaoyu (Southwestern Institute of Physics); Ms LI, Xinyi (southwestern institute of physics)

Presenter: XIAO, Guoliang (Southwestern Institute of Physics, China)

Session Classification: Development of Codes and Standards