



Carolina AHNERT IGLESIAS

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Carolina Ahnert is Emeritus Professor in the Energy Engineering Department, in the Universidad Politécnica de Madrid (UPM), and researcher in the Institute of Nuclear Fusion (IFN), essentially devoted to Nuclear Research, in both Nuclear Fusion and Fission.

Carolina holds a PhD in Physics Science from Complutense University of Madrid. She also has a master degree in Nuclear Engineering, and a training course in nuclear fission reactor design from Nuclear Utility Services (USA).

She began her career as researcher in the Junta de Energía Nuclear, the organisation that leads research in nuclear fission in Spain, which research activities continue now in the Spanish Centre for Energy, Environment and Technology (CIEMAT).

Since 1989 is professor in the Universidad Politécnica de Madrid, where she was Director of the Nuclear Engineering Department.

She is co-author of the SEANAP (Spanish System for Pressurized Water Reactor Analysis), which is the software package that has been used by several PWR Spanish Nuclear Power Plants, for the core on-line operational surveillance.

Carolina has been Spanish Delegate in the Nuclear Science Committee of the OECD, and Consultant for the IAEA and the NEA. She was a member of the Governing Board and the Executive Committee for the FP6 and FP7 European projects NURESIM, NURISP and NURESAFE, devoted to the development of the European Platform for Nuclear Reactor Simulations.

She has given training courses to Spanish NPP operators, and has published around 200 scientific papers. She is evaluator of research projects for the Spanish Industry, and the Education minister, and also was evaluator for Euratom.

Her background is in Core Reactor Physics, Fuel Management design, PWR Optimal Operation, and Naval nuclear propulsion.

She was WIN Spain president from 2000 to 2005, and currently is member of the Executive Governing Board of WIN Global.