

**Current positions**

Deputy Group Leader for “Thermohydraulic Simulation and Optimization” at Institute of Neutron Physics and Reactor Technology (INR), KIT (since 2012)
KIT Task Coordinator for EUROfusion WPSAE (since 2014)

Scientific degree

Dr.-Ing. (PhD) in Mechanical Engineering, University of Karlsruhe (2001)

Recent research topics Fusion Safety; System Analysis**Publications** (5 most important)

- **X. Jin**, BB LOCA analysis for the reference design of the EU DEMO HCPB blanket concept, Fusion Engineering and Design 136 (2018) 958-963. [doi:10.1016/j.fusengdes.2018.04.046](https://doi.org/10.1016/j.fusengdes.2018.04.046)
- **X. Jin**, et al., Preliminary safety analysis of LOCAs in one EU DEMO HCPB blanket module, Fusion Engineering and Design 124 (2017) 1233-1236. [doi:10.1016/j.fusengdes.2017.03.082](https://doi.org/10.1016/j.fusengdes.2017.03.082)
- **X. Jin, D. Carloni, R. Stieglitz, S. Ciattaglia, J. Johnston, N. Taylor**, Proposal of the confinement strategy of radioactive and hazardous materials for the European DEMO, 2017 Nucl. Fusion 57 046016. [doi:10.1088/1741-4326/aa5ee6](https://doi.org/10.1088/1741-4326/aa5ee6)
- **X. Jin, B.E. Ghidersa, A. F. Badea**, HELOKA-HP thermal-hydraulic model validation and calibration, Fusion Engineering and Design 109–111 (2016) 1242-1246. [doi:10.1016/j.fusengdes.2015.11.054](https://doi.org/10.1016/j.fusengdes.2015.11.054)
- **X. Jin, D. Carloni, L.V. Boccaccini, R. Stieglitz, T. Pinna**, Preliminary safety studies for the DEMO HCPB blanket concept, Fusion Engineering and Design 98–99 (2015) 2157–2161. [doi:10.1016/j.fusengdes.2015.01.029](https://doi.org/10.1016/j.fusengdes.2015.01.029)