

**Current position**

Group Leader for “Complex experiments and engineering design” at the Institute for Neutron Physics and Reactor Technology, KIT (since 2009)

**Previous positions (two selected)**

Senior Scientist at Institute for Reactor Safety/ Institute for Neutron Physics and Reactor Technology (INR), FZK / KIT (2004-2009)

**Scientific degree**

Dr.-Ing. (PhD) in Mechanical Engineering, University of Karlsruhe (2003)

**Recent research topics**

In-vessel Components; Blanket; Divertor; Safety

**Publications (5 most important)**

- Namkyu Lee, Joon-Soo Lim, **B.-E. Ghidersa**, Hyung Hee Cho, Nozzle-to-target distance effect on the cooling performances of a jet-impingement helium-cooled divertor, Fusion Engineering and Design, Volume 136, Part A, (2018), Pages 655-660, <https://doi.org/10.1016/j.fusengdes.2018.04.012>
- Joon-Soo Lim, Namkyu Lee, **B. -E. Ghidersa**, Hyung Hee Cho, Enhancement of cooling performance of a helium-cooled divertor through the addition of rib structures on the jet-impingement area, Fusion Engineering and Design, Volume 136, Part A, (2018), Pages 803-808, <https://doi.org/10.1016/j.fusengdes.2018.03.048>
- **B.-E. Ghidersa et al.**, New Developments in the Design and Manufacturing of a He-Cooled Divertor for European DEMO, ANS-FED June 2017 Newsletter, <http://fed.ans.org/newsletter>, (2017)
- **X. Z. Jin, B.-E. Ghidersa et al.**, HELOKA-HP thermal-hydraulic model validation and calibration, Fusion Engineering and Design, Volumes 109–111, Part B, (2016), Pages 1242-1246, <https://doi.org/10.1016/j.fusengdes.2015.11.054>
- **Y. Chen, B.-E. Ghidersa et al.**, Transient analyses on the cooling channels of the DEMO HCPB blanket concept under accidental conditions, Fusion Engineering and Design, Volumes 109–111, Part A, (2016), Pages 855-860, <https://doi.org/10.1016/j.fusengdes.2016.01.062>