Apl. Prof. Dr. Jeong-Ha You

Current positions
Senior Scientist, MPI for Plasma Physics, Garching
Project Leader of WP "Divertor", EUROfusion Consortium (since 2013)
Adjunct Professor, University of Ulm (since 2014)

Previous position
Postdoctoral Fellow, Forschungszentrum Jülich

Scientific degrees
PhD in Mechanical Engineering, RWTH Aachen University (1996)
Habilitation in Materials Science, University of Ulm (2010)

Recent research topics	Design, analysis and technology of plasma-facing components for fusion power plants, mechanics and materials for nuclear fusion technology
Awards, honors, memberships	Borchers Plakette, RWTH Aachen University (1996) ULTRA Lecture, Korean Ministry of Science (2009)

Publications/Patents (5 most important)

- **J. H. You**, E. Visca, T. Barrett, **B. Böswirth**, F. Crescenzi, et al.,European divertor target concepts for DEMO: Design rationales and high heat flux performance, *Nucl. Mater. Ener.* 16, 1 (2018) doi:10.1016/j.nme.2018.05.012
- **J. H. You**, E. Visca, Ch. Bachmann, T. Barrett, F. Crescenzi, et al., European DEMO divertor target: Operational requirements and material-design interface, *Nucl. Mater. Ener.* 9, 171 (2016) doi:10.1016/j.nme.2016.02.005
- **J. H. You**, G. Mazzone, E. Visca, Ch. Bachmann, T. Barrett, et al., Conceptual design studies for the European DEMO divertor: Rationale and first results, *Fusion Eng. Des.* 109-111, 1598 (2016) doi:10.1016/j.fusengdes.2015.11.012
- **J. Riesch**, J.-Y. Buffière, **T. Höschen**, M. di Michiel, M. Scheel, et al., In-situ synchrotron tomography estimation of toughening effect by semi-ductile fibre reinforcement in a tungsten fibre-reinforced tungsten composite system, *Acta Mater.* 61, 7060 (2013) doi:10.1016/j.actamat.2013.07.035
- **J. Du**, **T. Höschen**, **M. Rasinski,** S. Wurster, W. Grosinger, et al., Feasibility study of a tungsten wire reinforced tungsten matrix composite with ZrOx interfacial coatings, *Compos. Sci. Technol.* 70, 1482 (2010) doi:10.1016/j.compscitech.2010.04.028