

Univ.-Prof. Dr.-Ing. **Sebastian Münstermann**
Integrity of Materials and Structures
Steel Institute of RWTH Aachen University
muenstermann@iehk.rwth-aachen.de



University Education

- 1995 – 2001 Study of Civil Engineering at RWTH Aachen University, graduation: Dipl.-Ing. (grade „good“)
2001 – 2006 Ph.D. student at Steel Institute of RWTH Aachen University, graduation: Dr.-Ing. (summa cum laude)

Affiliations

- 2001-2006 Research Engineer at Steel Institute, RWTH Aachen University
2006-2014 Head of Mechanics of Materials group at the same institute
2014-2016 Scientist at Institute for Energy and Climate Research, Forschungszentrum Jülich
Since 2016 Full Professor, RWTH Aachen University

Research Interests

- Safety assessment of structural components
- Computational microstructure design,
- Experimental characterisation and numerical modelling of plasticity, damage and fracture in metallic materials on the μm to m scales

Publications

<http://www.researcherid.com/rid/E-5480-2012>
<https://scholar.google.de/citations?user=eo5q698AAAAJ&hl=de>

Awards

- Ludwig von Bogdandy Award 2002 (Diploma thesis)
- Borchers-Plakette of RWTH Aachen University 2007 (Dissertation)
- Werner Köster Award of DGM 2013 (Best Paper Award of the International Journal of Materials Research)

Memberships

- Deutscher Verband für Materialforschung und -prüfung e.V. (DVM)
- Deutsche Gesellschaft für Materialkunde (DGM)
- Stahlinstitut VDEh (VDEh)
- European Structural Integrity Society (ESIS)

Reviews for scientific journals

- Engineering Fracture Mechanics
- Fatigue and Fracture of Engineering Materials and Structures
- Computational Materials Science
- Journal of Materials Processing Technology
- Materials Science and Engineering A
- Steel Research International
- Canadian Metallurgical Quarterly
- Mechanics of Materials
- Ciência & Tecnologia dos Materiais
- Theoretical and Applied Fracture Mechanics

Membership in scientific groups

- Programme Committee of DVM-Workshop „Bruchmechanik und Bauteilintegrität (seit 2015)
- Leader of DVM-Group „Simulation“ in conjunction with Dr. Lutz Zybell, TU BA Freiberg (seit 2015)