

Univ.-Prof. Dr.-Ing. **Sebastian Münstermann**
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University studies

- 1995 – 2001 Diploma studies of civil engineering at RWTH Aachen University (grade: good)
- 2001 – 2006 PhD studies at the Steel Institute (IEHK) of RWTH Aachen University (grade: summa cum laude)

Professional career development

- 2001-2006 Scientific co-worker at IEHK
- 2006-2014 Leader of the Group „Mechanics of Materials” at IEHK
- 2014-2016 Senior researcher, Institute for Energy and Climate Research, Forschungszentrum Jülich
- Since 2016 Professor, RWTH Aachen

Research interests

- Safety assessment of engineering structures and components,
- Design of damage-tolerant microstructures with tailored mechanical properties,
- Experimental characterization and numerical modelling of plasticity, damage, fracture, and fatigue on different length scales.

Publications

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

Further positions

- 2017 -2019: Spokesman of the Division for Materials Science and Engineering, Faculty for Georesources and Materials Engineering, RWTH Aachen University
- Since 2016: Board member of collaborative research center TRR 188 „damage-controlled forming processes“
- Since 2020: Spokesman of the Profile Area: Material Science & Engineering (MatSE)

Awards

- Ludwig-von-Bogdandy-Prize 2002 (Diploma thesis)
- Borchers Medal of RWTH Aachen University 2007 (Dissertation)
- Werner-Köster-Prize of DGM 2013 (Best Paper Award of the International Journal of Materials Research)
- Galileo-Prize 2018, awarded by DGM, DVM and VDEh

Memberships

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

Peer-reviews

- 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

Working groups

- Member of the program committee of DVM workshop „fracture mechanics and structural integrity (since 2015)
- Spokesman of DVM working group „simulation and damage mechanics“, in conjunction with Dr. Steffen Gerke, Universität der Bundeswehr München (since 2015)