

Brief Biosketch of Kerstin Weinberg

Kerstin Weinberg received her PhD. in 1996, from the University of Magdeburg, with an emphasis on applied mechanics. She later worked as a research associate at the University of Kiel, the Medical University of Lübeck, and the California Institute of Technology. She was an assistant professor at the Technical University of Berlin from 2003 to 2008. Since 2008, she heads the Chair of Solid Mechanics at the University of Siegen.



She is currently elected member of the managing board of the International Association of Applied Mathematics and Mechanics (GAMM) and also serves on the editorial boards of Technische Mechanik, Continuum Mechanics and Thermodynamics, and Journal of Mechanics and Physics of Solids. She is also an associate editor of Mechanics of Materials.

She is broadly interested in numerical computations, from microstructural modeling of materials to engineering applications. Along with her group, she often works on non-linear problems in a multi-field setting. They range from dynamic fracture simulations, damage in soft polymers, diffusive phase decompositions in multi-component alloys to stochastic approaches, and high order finite element methods.