

Brief CV

Hendrik Heinz is a Professor of Chemical Engineering, Biological Engineering, and Materials Science at the University of Colorado at Boulder and a Senior Editor for the American Chemical Society (Langmuir). He received his Ph.D. degree from ETH Zurich and carried out postdoctoral work at the Air Force Research Laboratory. His research focuses on the simulation of biomaterials and nanomaterials from atoms to the microscale, including data science methods. He leads the development of the Interface force field and surface models for the simulation of compounds across the periodic table in high accuracy, including minerals, alloys, 2D materials, proteins, polymers. He is a Fellow of the Royal Society of Chemistry and of the International Association of Advanced Materials, received the Career and Special Creativity Awards from NSF, a Sandmeyer Award from the Swiss Chemical Society, the Max Hey Medal from the Mineralogical Society, a NASA Group Achievement Award, and held guest professorships at ETH Zurich, the National Institute of Materials Science in Japan, and the University of Paris. He served as an Amazon Scholar and his contributions support developments by several companies.