

Julie M. Schoenung Biographical Sketch

Dr. Julie M. Schoenung is a Professor in the Department of Chemical Engineering and Materials Science at the University of California, Davis. She is Co-Director of the new University of California Toxic Substances Research and Teaching Program Lead Campus in Green Materials.

Dr. Schoenung received her graduate degrees (M.S. and Ph.D) in Materials Engineering from the Massachusetts Institute of Technology and her Bachelor of Science degree in Ceramic Engineering from the University of Illinois at Champaign-Urbana.

Dr. Schoenung's experience combines studying the process of materials selection for various material classifications (to include electronic, ceramic, composite, and polymeric materials) with a range of applications such as electronic, automotive, aerospace, and consumer products. Her research analyses highlight decision-making factors leading to materials selection such as economics, environmental impact and toxicity, cost performance tradeoffs, and market potential.

Dr. Schoenung uses tools and datasets from disciplines such as management theory, health risk assessment, life cycle assessment, and environmental economics to understand decision factors.