



Prof. Dr. Markus Busch

Bridging from fundamentals to large-scale application - material design and process safety considerations by theory and practice

Prof. Dr. Markus Busch is a Professor and Associate Dean of the Faculty of Chemistry at the Technical University of Darmstadt. His research, informed by strong industrial connections, focuses on high-pressure alpha-olefin polymerization, modeling of industrial polymerization processes, modeling of polymer microstructure, catalytic high-pressure polymerizations, safety assessments for high-pressure polymerization processes, thermodynamics of high-pressure polymer mixtures, and high-temperature acrylate polymerizations. He previously served as Director of the Ernst-Berl-Institute at the Technical University of Darmstadt and is co-chair of the upcoming 15th International Workshop on Polymer Reaction Engineering organized through the German DECHEMA Society for Chemical Engineering and Biotechnology. Prof. Busch is a member of multiple DECHEMA ProcessNet task forces, Chair of the EFCE Working Party on Polymer Reaction Engineering, and a member of the IUPAC Polymer Division Subcommittee on Modeling of Polymerization Kinetics and Processes.



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