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Jacqueline received her Bachelors degree from Ohio State University (1981), her Masters degree in Mechanical Engineering from University of California at Berkeley (1982), and her Ph.D. in Mechanical Engineering from Stanford University (1989) under the direction of Professor Brian Cantwell. She is a Distinguished Member of Technical Staff in the Combustion Research Facility at Sandia National Laboratories and an adjunct professor of Mechanical Engineering at the U. Utah. She was the Co-editor of Proceedings of the Combustion Institute, Volumes 29 and 30, and is a member of the Editorial Advisory Boards of *Combustion and Flame* and *Computational Science and Discovery*. Her primary research interests are in direct numerical simulation of turbulent combustion, focusing on fine-grained interactions between convective and diffusive transport with detailed chemistry in the combustion of hydrogen and hydrocarbon fuels.