

**Angela Violi**

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**Angela Violi** is a Professor in the Departments of Mechanical Engineering, Chemical Engineering and Biophysics at the University of Michigan. Her research interests lie at the intersection of nanoscience, combustion, and biomedical science. The common intellectual thread among those activities is the application of multiscale modeling approaches, which however are tailored for the specifics of each subject and coupled with pertinent longer scale processes and systems.

Her work has been supported by the US Department of Energy, Basic Energy Science, Chemical Science program, US Department of Defense (Army), US Air Force Office of Science, National Science Foundation, US Environmental Protection Agency, and DARPA. Prof. Violi's work has been reported in prestigious journals that include Proceedings of the National Academy of Sciences, Progress in Energy and Combustion, Nanoscale, and ACS Nano. She has been invited to present her work, as keynote speaker and plenary speaker, at various conferences, academia, and other institutions.

She has organized and chaired sections for various professional societies, including the National Academy of Engineering, International Combustion Institute, American Chemical Society, and American Institute of Chemical Engineering.

Her work has been featured in several DOE reports that describe the development roadmap for computational science, nanoparticles and combustion research.