Dr. Danielle Zeng is a technical expert in materials and manufacturing at Ford Research & Innovation Center. She specializes in advanced manufacturing processes and materials modeling method development for a variety of material systems such as aluminum, advanced high strength steels, polymers, and fiber reinforced polymer composites.

Dr. Zeng joined Ford Motor Company in 2003 and has co-authored over 50 technical papers. In recent years, she has been leading the effort to intensively develop the Integrated Computational Materials Engineering (ICME) tools for carbon fiber reinforced composites and the additive manufacturing process for lightweight and smart designed vehicles. Her major awards include the Sydney H. Melbourne Award, the Henry Ford II Distinguished Award from the American Society of Automotive Engineering (SAE), the best paper award from the American Iron and Steel Institute (AISI), and she has received the Henry Ford Technology Award three times, the highest technical honor bestowed at Ford Motor Company.

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