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He is the technical lead on the Revolutionary Vertical Lift Technology Impact Dynamics Project where he is leading a team of engineers conducting research into various aspects of eVTOL crashworthiness, as well as supporting Mars Sample Return, Human Landing Systems, and Commercial Crew projects.

He is considered a subject matter expert in the areas of crashworthiness and his research interests include the research and development of novel energy absorbing materials and systems. He has authored multiple journal papers and NASA Technical Memos in the areas of composites, full-scale crash testing and photogrammetry.