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Dr. Poland has been employed at the National Transportation Safety Board (NTSB) since 1998 as a senior biomechanical engineer in the Vehicle Performance Division of the Office of Research and Engineering. She received her B.S. in mechanical engineering from Cornell University and her Ph.D. in biomechanical engineering from the University of Iowa. Dr. Poland is a technical expert in occupant kinematic modeling and injury causation focusing on all modes of transportation. In addition, she leads the NTSB's work to document and analyze accidents with a 3-dimensional laser scanner.