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control applied to rotorcraft and other aerospace systems. One of her key research areas is the development and application of magnetostrictive material actuators and sensors. A second research area is on the application of smart transduction materials in micro-systems, including synthetic jet design and micro- and nano-sensors. As the author of over 30 archival journal and book chapter contributions, Dr. Flatau currently serves as an Assistant Editor for the Journal of Intelligent Material Systems and Structures (2002-present) and on the editorial board of Mechatronics (2005-present).

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