

Ms. Karen Taminger

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Ms. Karen Taminger is a Senior Materials Research Engineer at NASA Langley Research Center in the Advanced Materials and Processing Branch. She is the structural efficiency technical lead for high aspect ratio wings in NASA's Advanced Air Transport Technology project. In this role, she leads the technical direction of a multi-disciplinary portfolio related to materials, manufacturing, structures, aeroelasticity, controls and dynamics for subsonic commercial transport aircraft. The work focuses on two areas: (1) passive aeroelastic tailoring, which induces a planned structural response to aerodynamic loading by virtue of the materials, structures, and methods of manufacturing; and (2) performance adaptive aeroelastic behavior, which integrates novel control effectors and control laws to control flexible, high aspect ratio wings. Karen earned her BS in Honors from Virginia Tech in 1989, majoring in Materials Engineering, and her MS degree from Virginia Tech in 1999 in Materials Science and Engineering. She has been employed at NASA Langley Research Center since graduating with her BS in 1989.