

Aswini Kona Ravi

Research Engineer

National Institute for Aviation Research (NIAR), Wichita State University

akonaravi@niar.wichita.edu

Aswini Kona Ravi works as Research Engineer in the Materials Research & Development group of Advanced Virtual Engineering and Testing Laboratories at NIAR. Aswini joined NIAR as research assistant in 2015 while pursuing her master's degree in aerospace engineering. As part of the materials research and development team, her primary responsibilities include developing standards and methods for appropriate use of numerical material models in finite element analysis and providing guidance and support to the AVET lab's analysis team on material model related requirements. Her experience also includes conducting experimental and numerical research investigations to support aerospace and automotive industry programs. Some of these programs include evaluating the impact resistance of composite panels to bird strike, understanding the anthropomorphic test dummy's response to dynamic impact conditions and simulating complex failure modes of a composite fuselage section under crash conditions. Aswini is also an active member and contributor to the CMH-17 Crashworthiness Working Group, she directly supports the group's leadership with the development of the handbook guidelines and timely submission.