



Dr. Robert J. Bucci (ASIP 2006)

Biographical Sketch:

Dr. Robert J. Bucci (Bob) currently holds the position of Technical Consultant, Product Design and Development, at the Alcoa Inc., Technical Center, where since 1973 he has worked many aspects of aluminum product development and related technologies, most notably those directed to Alcoa's aerospace market. In his current role Bob defines technologies that shape next generation Alcoa aerospace product offerings, and he is the driving force behind Alcoa Design Building Block programs that help set strategic direction on enabling technologies and external interactions supporting Alcoa's aerospace product businesses. Bob has been a significant contributor to the body of knowledge in the disciplines of fatigue and fracture mechanics, and he has pioneered concepts and testing practices that are at the core of test methods on fatigue crack growth rate measurement and resistance curve approaches to damage tolerant material characterization and structural integrity assessment.

Dr. Bucci holds a B.S. in mechanical engineering from Northeastern University (1964), M.S. in engineering from Brown University (1967), and Ph. D. in applied mechanics from Lehigh University (1970). Over the years he has served as a program manager and/or principle investigator on a number of programs contracted with DoD and NASA to characterize aerospace materials and processes and to develop the related methodologies. Dr Bucci has published/lectured extensively in his field, and he is a long term member of ASTM and ASM International, both awarding him the status of Fellow. He is also a long term member of AIAA. Dr. Bucci has also served on various industry and national advisory committees to provide research direction in areas of aluminum

performance/prediction and application for weight sensitive, high performance structures.