Mark J. Shuart
Associate Director for Transformation Projects
NASA Langley Research Center
Hampton, VA 23681

1976 Bachelor of Science with Distinction
Engineering Science and Mechanics
Virginia Polytechnic Institute and State University

1978 Master of Science
Engineering Mechanics
Virginia Polytechnic Institute and State University

1985 Doctor of Philosophy
Applied Sciences/Mechanical & Aerospace Engineering
University of Delaware

1996 Program for Management Development
Graduate School of Business Administration
Harvard University

2000 Leadership for a Democratic Society
Federal Executive Institute

Dr. Mark J. Shuart has been an employee of the NASA Langley Research Center since June 1977. He is a nationally recognized authority on the failure mechanics of composite materials and structures and on the behavior of composite materials and structures in general. As a research engineer, Dr. Shuart conducted experimental and analytical research on the linear and nonlinear response and failure characteristics of composite structural components subjected to complex static and dynamic loading conditions. He has directed major contracts with Boeing, the former McDonnell Douglas, and Lockheed-Martin to develop composite structures technology for primary aircraft structures. He has also directed grant activities at several major universities. Dr. Shuart has held the management positions of Assistant Head of the Structural Mechanics Branch, Assistant Chief and Chief of both the Structures Division and the Materials Division, and Director for Structures & Materials. He is currently the Associate Director for Transformation Projects in the Incubator Institute. This positions initiates and develops transformation projects that lead to innovative technologies, concepts, and processes for future Agency applications and efficient laboratory operations. Dr. Shuart is the author or co-author of more than 90 formal publications, referenceable oral presentations, and other significant contributions that describe advanced structures and materials technologies. He is an Associate Fellow of the American Institute of Aeronautics and Astronautics and is Chairman-elect of the Materials Technical Committee. He is also a member of the American Society for Composites and of the Society for the Advancement of Materials and Processing Engineering. He has received the Outstanding Alumni Award from the Center for Composite Materials at the University of Delaware. He has also received the NASA Outstanding Leadership Medal for his contributions to structures and materials research. He lives in Hampton, Virginia, with his wife, Jane, and their two daughters, Amy and Emily.