



**Professor William J. Bottega**

Mechanical and Aerospace Engineering  
Rutgers

**Education:**

Ph.D. in Applied Mechanics, Yale University. May 1984  
M.S. in Theoretical and Applied Mechanics, Cornell University  
B.E., The City College of New York

**Awards and Honors:**

Fellow , American Society of Mechanical Engineers, December 2007  
Associate Fellow , American Institute of Aeronautics and Astronautics, November 1995

**Editorships:**

The Open Aerospace Engineering Journal, Editorial Board Member  
The Open Mechanical Engineering Journal, Editorial Board Member

**Professional Affiliations:**

Associate Fellow - American Institute of Aeronautics and Astronautics

Member - American Academy of Mechanics

Fellow - American Society of Mechanical Engineers

Member - Society for Industrial and Applied Mathematics

Member - Sigma Xi

**Selected Publications:**

On the Interaction of Thermally Induced Buckling and Debond Propagation in Patched Structures

On the Mechanics of a Detaching Retina

On the Detachment of Patched Panels under Thermo-Mechanical Loading

Effects of Geometric Nonlinearities on Damage Propagation in Patched Beam-Plates Subjected to Pressure Loading

Engineering Vibrations

Sling-Shot Buckling in Composite Structures under Thermo-Mechanical Loading

Pre-Limit-Point Buckling of Layered Cylindrical Panels Under Pressure

Structural Scale Decomposition of Energy Release Rates for Delamination Propagation

Thermoelastic Buckling of Layered Shell Segments

Thermo-Mechanical Instabilities in Bilaminate Shell Structures