Neil E. Paton, Ph.D.

Current Position:

Aerospace Materials Consultant

Former Vice President, Technology, Howmet Corporation

Education:

Doctor of Philosophy, 1969, Massachusetts Institute of Technology, Cambridge Mass.
Master of Engineering, 1962, Mechanical Engineering, University of Auckland, New Zealand
Bachelor of Engineering, 1960, Mechanical Engineering, University of Auckland, New Zealand

Previous Experience:

In 1982, led Space Shuttle Main Engine incident investigation and return-to-flight activities. Led a team to investigate and correct problems with the original Space Shuttle TPS tile system. While at Rockwell International was the leader of a team to develop new materials for NASP, for both hypersonic propulsion and structural applications. As V.P. of Technology at Howmet was responsible for development of advanced materials for gas turbine applications.

Awards:

Rockwell Engineer of the Year, Fellow of ASM
Member of the National Academy of Engineering

Related Publications:

- Co-author, "Evaluation of the National Aerospace Initiative," National Research Council of the National Academies, The National Academies Press, 2004.
- More than 80 publications in refereed journals on advanced high temperature materials.

Professional Societies:

National Academy of Engineering, American Society for Materials, American Association for Advancement of Science.

Unique Qualifications:

Participated in numerous National Research Council studies on advanced materials for aerospace and military applications. More than 30 years experience in space and propulsion applications of advanced materials. Invited to serve on a National Research Council committee to assess the feasibility of DDR&E's National Aerospace Initiative (NAI). He is currently serving on an Academy advisory committee to study future propulsion requirements for the Air Force and DoD. He is currently an instrument rated private pilot and flies a Cirrus SR20.