



STANLEY G HUTTON
SENIOR ENGINEER
AVIATION GROUP

BSc Civil Engineering 1963
MSc Civil Engineering 1966
PhD Engineering Mechanics 1972
Registered Professional Engineer

Dr Hutton is internationally known for his research work in the field of mechanical vibrations and stress analysis. He has recently retired from the position of Professor of Mechanical Engineering at the University of British Columbia, and in 2006 formed a strategic partnership between his consulting company, Vibe-Tek Research Ltd, and MEA.

Dr Hutton's analytical and experimental investigations have involved the following:

- Aircraft and Helicopters
- Ship Structures and Shipboard Machinery
- Saw Mills and Saw Milling Equipment
- Skiing Accidents, and Vehicle Collisions
- Vibration of Bridges, Pipes, and Pumps
- Failures due to Vibration and Stress
- Hand Held Tool Vibrations and Whole Body Vibration

Dr Hutton has also acted as an expert witness in more than 20 cases before the BC Supreme Court. The majority of these cases have involved aviation incidents.

Professional Affiliations:

MEA staff are members of various professional organizations. A current listing can be found on our website www.meaforensic.com.

Contact: stan.hutton@meaforensic.com

Select Publications:

Tian J, **Hutton SG**, (1999). Self excited vibration in flexible rotating discs subjected to transverse interaction forces – A general approach. ASME Journal of Applied Mechanics Vol 66, pp. 800-805.

Muravyov A, **Hutton SG** (1998). Analysis of an engine mount system with time-dependent mass and velocity matrices. Journal of Sound and Vibration, Vol. 209 No. 1, pp. 143-162.

Hutton SG, Yang L (1990). Supercritical behaviour of guided rotating discs. 3rd International Conference on Rotor Dynamics, Lyon France, Sept. 1990.

Hutton SG (1983). A study of vibration sources affecting mine workers. Canadian Department of Supply and Services, Contract OSU82-001117, 160 pages.