

Bob Cheung is Senior Scientist (retired) at the Joint Operational Human Sciences Centre, Defence Research and Development Canada – Toronto Research Centre where he conducted integrated, high-impact human sciences research to optimize operational readiness and performance for defence and security. He is also an Adjunct Professor at the University of Toronto and lectures to domestic and international flight surgeons on disorientation, motion disturbance and vibration. His academic background includes: B.Sc. in Physiology and B.Ed. in Biology and Mathematics from the University of Toronto; M.Sc. and Ph.D. in Visual-Vestibular Physiology and Psychophysics from the University of Toronto/York University.

Dr. Cheung's research interests include spatial disorientation, G transition effects, causes and countermeasures of spatial disorientation, motion disturbance, and visual-vestibular performance under altered gravitoinertial environments. His current research interest also includes brain injury and neuroplasticity. He has over 125 scientific publications including being part of an International effort in authoring the first state-of-the-art textbook on Spatial Disorientation in Aviation. In May 2016, he received the Joseph L. Haley Writing Award for the two best papers published in 2015 in the area of Rotary Wing Aviation Medicine from the US Army Aviation Medical Association. Dr. Cheung serves on the editorial panel for the Aerospace Medicine and Human Performance journal. He is a Fellow of the Aerospace Medical Association and is a member of the Barany Society for vestibular research.

In 2000, Dr. Cheung received the Sidney D. Leverett Jr., Environmental Science Award from the Aerospace Medical Association. He received the Professional Excellence Award from the Life Sciences and Biomedical Engineering Branch (LSBEB) and the Professional Excellence Award from NATO HFM Panel (North Atlantic Treaty Organisation, Human Factors and Medicine) in 2007 and the Panel Excellent Award in recognition and appreciation of his contribution to HFM-RTG 162 Technical Team (2008-2011) on "Rotary Wing Brownout Mitigation. Dr. Cheung also received the Kent K. Gillingham Award from the Aerospace Medical Association for his significant contribution to the fields of Spatial Disorientation and Loss of Situation Awareness in Flight in 2009 and the TTCP AER (Aerospace Systems) Team Award on Degraded Visual Environment Solution for Tactical Helicopter in 2014.