

## Wind Turbines Scientific Forum Presenters - Brief CVs

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<b>PRESENTER</b>	<b>QUALIFICATIONS</b>	<b>JUSTIFICATION OF RELEVANCE</b>
<p>Professor Mariana Alves-Pereira (Portugal)</p>	<p>PhD in Biomedical Engineering and a BS in Physics.                      Invited Adjunct Professor, Lusofona University                      School of Health Sciences                      Lusofona University                      Portugal                      Referred to as Acoustic Engineer, Biomedical Engineer.</p>	<p>Mariana Alves-Pereira, Dept. of Environmental Sciences &amp; Engineering, New University of Lisbon, Caparica, Portugal, has for many years been part of a team of physicians and scientists studying the pathophysiology of low-frequency noise and infrasound on humans. She is Assistant Coordinator of the Vibroacoustic Disease Project. Alves-Pereira and colleagues have been doing epidemiologic studies of airline pilots and technicians and other people who are chronically exposed to low-frequency noise and infrasound. The effects are grim: cardiovascular, respiratory, neurologic, and renal pathology and symptoms, which they call vibroacoustic disease.</p> <p>Alves-Pereira, in discussion with physicians Amanda Harry in the U.K. and Nina Pierpont in the U.S., is now looking into the low-frequency noise and infrasound produced by industrial wind turbines, to determine whether they, too, can cause such vibroacoustic disease (VAD). Alves-Pereira's initial assessment based on noise measurements taken inside and outside the homes of wind turbine neighbors, is that turbines are indeed a likely cause of VAD.</p> <p>Works with                      Nuno Castelo Branco, MD                      Surgical Pathologist                      President, Scientific Board                      Center for Human Performance (CPH)</p>
<p>Dr Geoff Leventhall, (UK)</p>	<p>Ph.D. in Acoustics,                      Fellow of the UK Institute of Physics,</p>	<p>Geoff is a UK-based noise and vibration consultant who works internationally. Geoff was formerly an academic, during which</p>

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	<p>Honorary Fellow of the UK Institute of Acoustics (of which he is a former President),  Distinguished International Member of the USA Institute of Noise Control Engineering,  Member of the Acoustical Society of America.</p>	<p>time he supervised 30 research students to completion of their doctoral studies in acoustics.</p> <p>Much of his academic and consultancy work has been on problems of infrasound and low frequency noise and control of low frequency noise by active attenuation.  He has been a member of a number of National and International committees on noise and acoustics and was recently a member of two committees producing reports on effects of noise on health.</p>
<p>Dr Bob Thorne</p>	<p>PhD in health science. from Massey University New Zealand  Master's degree in Environmental Science, Post-graduate qualifications in acoustics and noise control and formal qualifications in Health Engineering.</p>	<p>Bob is an Environmental Health Research Associate in the Institute of Food, Nutrition and Human Health at Massey University and is a Fellow of the Royal Society for Public Health. His research work involves using advanced specialized technology and analysis software for human perception of low amplitude sound and intrusive noise. Applications include noise assessment and noise monitoring systems with simplified data analysis and information retrieval protocols. A specific application is personalized sound reinforcement for hearing assistive devices.</p> <p>Bob is the Principal of Noise Measurement Services Pty Ltd. He is a member of the Australian Acoustical Society and the Institute of Acoustics (UK).</p> <p>As Director of Planning and Regulatory Services for a New Zealand local government; a Principal Environmental Officer for the Department of Environment and Heritage in Queensland; and an acoustical consultant to the Ministry of Health (New Zealand) he has extensive knowledge and expertise in environmental</p>

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		<p>policy development, developing environmental management systems and land use planning. He also has considerable experience in the fields of environmental ethics and community consultation and is an expert witness in court in the field of psychoacoustics.</p>
<p>Professor Simon Chapman</p>	<p>Simon Chapman PhD Public Health, Fellow of the Academy of the Social Sciences in Australia.</p>	<p>Simon is Professor in Public Health at the University of Sydney. He has published 406 articles in peer reviewed journals and 17 books and major reports. His Public Health Advocacy and Tobacco Control: Making Smoking History was published by Blackwell (Oxford) in 2007 and his co-authored Let Sleeping Dogs Lie: What men should know before being tested for prostate cancer by Sydney University Press in 2010. In 1997 he won the World Health Organisation's World No Tobacco Day Medal and in 2003 he was voted by his international peers to be awarded the American Cancer Society's Luther Terry Award for outstanding individual leadership in tobacco control. In 2008 he won the NSW Premier's Cancer Researcher of the Year medal; the Public Health Association of Australia's Sidney Sax medal; and was a NSW finalist in Australian of the Year. He was deputy editor (1992-1997) then editor (1998-2008) of the British Medical Journal's, Tobacco Control and is now its editor emeritus. His current research involves examining policy how health and medical issues are covered in the news media; risk communication; the implications for tobacco control of web 2.0 technology; and characteristics of public health research (and its dissemination) which impact on public health policy.</p>