David G. Barber, *PhD, CRC*
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Dr. Barber obtained his Bachelors (1981) and Masters (1987) from the University of Manitoba, and his Ph.D. (1992) from the University of Waterloo, Ontario. He was appointed to a faculty position at the University of Manitoba in 1993 and received a Canada Research Chair in Arctic System Science (www.chairs.gc.ca) in 2002. He is currently Associate Dean (Research), CHR Faculty of Environment, Earth and Resources. Dr. Barber has extensive experience in the examination of the Arctic marine environment as a 'system', and the effect climate change has on this system. Dr. Barber has published over 190 articles in the peer reviewed literature pertaining to sea ice, climate change and physical-biological coupling in the Arctic marine system. He lead the largest International Polar Year (IPY) project in the world, known as the Circumpolar Flaw Lead (CFL) system study. He is recognized internationally through scientific leadership in large network programs (e.g., NOW, CASES, ArcticNet, the Canadian Research Icebreaker (Amundsen), and CFL), as an invited member of several Natural Sciences and Engineering Research Council (NSERC) national committees (e.g., NSERC GSC 09; NSERC IPY, NSERC northern supplements, etc), international committees (GEWEX, IAPP, CNC-SCOR, IARC, etc) and invitations to national and international science meetings (e.g., Chinese Arctic and Antarctic Administration, Korean Polar Research Institute, American Geophysical Union (AGU), Canadian Meteorological and Oceanographic Society (CMOS), American Meteorological Society (AMS), American Society for Limnology and Oceanography (Spain), IMPACTS (Russia), European Space Agency (ESA, Italy), Arctic Frontiers (Norway), etc). Dr. Barber was instrumental in a national competition to bring a Canada Excellence Research Chair (CERC) to the University of Manitoba in the field of Arctic Geomicrobiology and Climate Change. As a member of the Centre for Earth Observation Science he leads a polar marine science group of over 100 people. He has supervised to completion: 6 honours theses; 20 MSc theses; 18 PhD dissertations and 16 Post-Doctoral Fellows/Research Associates. Twenty of his previous students have University positions and 30 work in research, consulting or government. He currently supervises 11 MSc students; 7 PhD students, 15 Post Doctoral Fellows and Research Associates. He also supports (and supervises) 12 full time staff consisting of research program coordinators (PhD level), field technicians (MSc level) and administrative staff, making a research group of 35 members; one of the largest sea ice focused research groups in the world.