

## CURRICULUM VITAE

**David W. Hobill**

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*Personal:* Date of Birth: 09 December 1949  
Place of Birth: South Weymouth, Mass., USA  
Citizenship: Canada

### *University Education:*

Ph.D.:	University of Victoria	Physics (June 1980)
M.Sc.:	University of Calgary	Physics (June 1974)
B.S.:	Worcester Polytechnic Institute	Physics (June 1971)
Dipl.:	Bridgewater State College (MA)	Biology (June 1967)

### *Employment (Teaching):*

July 1998 to present	Associate Professor Department of Physics and Astronomy University Calgary
July 1994 to July 1998	Assistant Professor Department of Physics and Astronomy University of Calgary
July 1991 to July 1994	Instructor II Department of Physics and Astrophysics University Calgary
Jan 1986 to Jun 1986	Instructor Department of Physics Stevens Institute of Technology, Hoboken, NJ
Sept 1975 to June 1976	Instructor Department of Science Cariboo College, Kamloops, BC
Sept 1974 to June 1975	Instructor (Part time sessional) Department of Physics University of Calgary

### *Employment (Research and Post-Doctoral Positions) :*

July 2000 to July 2001	Poste Orange (Visiting Scientist) Observatoire de Paris (Meudon) CNRS (France)
June 1989 to June 1991	Senior Research Scientist Nat. Center for Supercomputing Applications University of Illinois, Urbana-Champaign, IL
Jan 1987 to June 1989	Visiting Postdoctoral Research Associate (NSF-USA)) National Center for Supercomputing Applications University of Illinois

Sept 1983 Postdoctoral Fellow (NSF-USA)  
to Department of Physics  
Dec 1986 Stevens Institute of Technology, Hoboken, NJ

Sept 1980 Postdoctoral Fellow (NATO-NSERC and CNRS-France)  
to Institut Henri Poincaré  
Aug 1983 Université de Paris VI

Sept 1974 Research Assistant (International Hydrological Decade)  
to Department of Physics  
June 1975 University of Calgary

*Professional Service: (National and International)*

1998 to 2008 Member, WestGrid Advisory Committee  
1996 to 2007 Editorial Board, *Canadian Journal of Physics*  
2000 to 2001 Member, Gravitational Physics Division Selection Committee, NSF  
2000 to 2001 Member, EU Research Network on “Sources of Gravitational Waves”  
1999 to 2001 Chair, Division of Theoretical Physics, Canadian Association of Physicists (CAP)  
1997-1999 Member, NSERC-CAP Liaison Committee  
1999 Chair, Grant Selection Committee No 17 , NSERC

Grant Reviewer for US NSF, NSERC, NASA, CSA, PIMS  
Referee for *Physical Reviews*, *Classical & Quantum Gravity*, *Journal of General Relativity and Gravitation*, *Living Reviews in Relativity*, *Journal of Mathematical Physics*

*Professional Service: (University)*

2005 to 2007 Faculty of Science, Chair, IT Committee  
2003 to 2006 Faculty of Graduate Studies, Policy Committee  
2003 to 2006 UofC PIMS Steering Committee  
1999 to 2003 Faculty of Graduate Studies Council  
2001 to 2003 University Research Grants Committee

*Membership in Professional Societies and Associations:*

International Society for General Relativity and Gravitation  
Canadian Association of Physicists  
American Physical Society  
American Association for the Advancement of Science  
New York Academy of Sciences

*Research Interests:*

General Relativity: Black Holes, Gravitational Lensing, Gravitational Radiation, Neutron Stars, Cosmology  
Dynamics of Complex Systems: Self-Similarity, Scaling Behaviour, Spatio-Temporal Chaos  
Modelling Biological Systems: Growth of Leaves and Petals, Adaptation, Evolutionary Processes

Computational Physics: Time dependent Systems, Ordinary and Partial Differential Equations

Quantum Information Science: Quantum Communication, Information Dynamics, Relations to Gravity

Geometry and Topology: Riemannian Geometry, Ricci Flow, Kähler Geometries