BIOGRAPHICAL SKETCH: WARREN ANDERSON

Professional Preparation:

Ph.D.	Theoretical Physics. (University of Alberta, Canada. 1998)
M.Math.	Applied Mathematics. (University Waterloo, Canada, 1992)
M.Sc.	Radiological Physics. (University of Alberta. Canada, 1989)
B.Sc.	Physcs. (University of Alberta, Canada, 1986)

Appointments:

2004-	Visiting Assistant Professor of Physics, UWM
2003-	Visiting Assistant Professor of Physics, UTB
2000-2003	Assistant Professor of Physics, UTB
1998-2000	NSERC Postdoctoral Fellow, University of Wisconsin - Milwaukee

Five most closely related publications:

1. B. Abbott *et al.* [LIGO Scientific Collaboration], "*Upper limits on a stochastic background of gravitational waves*", Phys. Rev. Lett. **95** 221101 (2005), astro-ph/0507254.

2. B. Abbott *et al.* [LIGO Scientific Collaboration], "*Search for gravitational waves from galactic and extra-galactic binary neutron stars*", Phys. Rev. D **72** 082001 (2005), gr-qc/0505041.

3. B. Abbott *et al.* [LIGO Scientific Collaboration], " *Search for gravitational waves from primordial black hole binary coalescences in the galactic halo*", Phys. Rev. D. **73** 062001 (2006), gr-qc/0505042.

4. Charlie Torres and Warren G. Anderson, "*Progress on a detection algorithm for longer lived gravitational wave bursts*", Class. Quant. Grav. **22**, S1169 (2005).

5. B. Abbott *et al.* [LIGO Scientific Collaboration], " *Setting upper limits on the strength of periodic gravitational waves using the first science data from the GEO 600 and LIGO detectors*", Phys. Rev. D **69**, 082004 (2004), gr-qc/0308050.

Five other publications:

1. B. Abbott *et al.* [LIGO Scientific Collaboration], "*Limits on gravitational wave emission from selected pulsars using LIGO data*", Phys. Rev. Lett. **94**, 181103 (2005), gr-qc/0410007.

2. B. Abbott *et al.* [LIGO Scientific Collaboration], "*Analysis of LIGO data for gravitational waves from binary neutron stars*", Phys. Rev. D **69**, 122001 (2004), gr-qc/0308069.

3. B. Abbott *et al.* [LIGO Scientific Collaboration], "*Upper limits on gravitational wave bursts in LIGO's second science run*", Phys. Rev. D **72**, 062001 (2005), gr-qc/0505029.

4. Warren G Anderson, Patrick R Brady, Jolien Creighton and Eanna E Flanagan, "*An excess power statistic for detection of burst sources of gravitational radiation*", Phys. Rev. D **63**, 042003 (2001), gr-qc/0008066.

5. Warren G. Anderson and R. Balasubramanian, "*Time-frequency detection of gravitational waves*", Phys. Rev. D **55**, 102001 (1999), gr-qc/9905023.

Synergistic Activities:

- Associate Director of Center for Gravitational Wave Astronomy, 2002-2003.
- Member of LIGO Scientific Collaboration since 1999, including various committees.
- Internal reviewer for LIGO Scientific Collaboration Stochastic Sources Group.
- Research advisor for graduate student Cristina Torres at The University of Texas at Brownsville. Ph.D. awarded in 2007.
- Have advised many undergraduate students in summer and year long research projects.
- On organizing committees for various scientific meetings, including 2004 Gravitational Wave Data Analysis Workshop in France.
- Reviewer for NASA and University of Chicago Press.
- Referee for Physical Review Letters, Physical Review D, Classical and Quantum Gravity, International Journal of Modern Physics, Astronomy and Astrophysics, Canadian Journal of Physics.

Collaborators during the past 48 months:
(Not including people on above publications.) Eanna Flanagan, Adrian Ottewill.

Anderson's Ph.D. and post-doctoral advisors:
Graduate Advisor: Werner Israel. Postdoctoral Advisor: Bruce Allen