# Peter G. Burkett

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## (a) Professional Preparation

Master of Science in Geophysics

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| 1997-2000 | Pennsylvania State University | University Park, PA |

Reflection seismic investigation and modeling of anisotropy in the West Antarctic Ice Sheet
Advisors: Dr. Alley & Dr. Anandakrishnan.
Antarctic Network of Integrated Broadband Seismometers field project member (1998-2000)

Bachelor of Science in Physics, Applied Math Concentration 1997

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| 1993-1997 | The University of Dallas | Irving, TX |

Dean's List 1994-1997
Member Sigma Pi Sigma, National Physics Honor Society

## (b) Appointments

Research Associate, The Pennsylvania State University

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| 2006-present | Earth System Science Center | University Park, PA |

Core responsibilities include lab management, data management, analysis, maintenance of equipment (including active and passive seismometers, data loggers, geophones, and GPS stations), and assisting graduate students and faculty with data requests. Managing our seismic datasets includes integrating new data, extracting waveforms and events, sorting, data quality control, and archiving data from our seismic deployments.  Data volume currently exceeds 4TB.
Currently developing new instrumentation, including RADAR and wireless systems, by designing and building our own software and hardware.
Working as Education and Outreach coordinator for Center for Remote Sensing of Ice Sheets Science and Technology Center, a position that requires coordinating with the University of Kansas, University of Washington, Indiana University, Ohio State University, and Elizabeth City State University.

Field Seismologist, Carnegie Institution of Washington

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| 2000-2006 | Department of Terrestrial Magnetism | Washington, DC |

Responsibilities included acquisition, calibration, quality control, and archival of seismic data from local, portable, and global networks.  Maintained thorough knowledge of computer languages including UNIX, shell scripting, C programming and database management.  Installed, maintained, and performed logistical support for a wide variety of seismic equipment.  Completing these tasks required successful communication with academic and foreign colleagues and the ability to organize and execute large, complicate projects with minimal supervision.

Research and Teaching Assistant, Department of Geosciences

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| 1997-2000 | The Pennsylvania State University | University Park, PA |

Performed analysis and interpretation of an active seismic survey from the West Antarctic Ice Sheet, Antarctica. Used forward and inverse models to characterize fabric change within the ice sheet.  Led both bench and field lab class for introductory geology.  Advisors: Dr. Alley, Dr. Engelder, Dr. Barron, & Dr. Anandakrishnan, The Pennsylvania State University.

## (c) Expertise in the following computer languages/platforms

UNIX/Linux, Mac, Windows, Matlab, Microsoft Office, C, Pascal, ProMAX, Embedded Programming (SPIN and PASM)