

Robert S. Peckyno

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EDUCATION

Oregon State University, Corvallis, OR

M.S. in Geography w/Geographic Information Science Certificate **2010**

Research Focus: The Lava Morphology Database (LAMDA): A GIS based analysis of morphological changes along lava flow margins across thirty volcanoes with respect to flow composition and emplacement.

University of North Dakota, Grand Forks, ND

M.S. in Space Studies **2004**

Research Focus: Near-Earth Objects: Hazard policy, media perception, and mitigation strategies for infrequent but highly destructive natural disasters. Secondary Focus: Space policy and the Chinese space program

Middle Tennessee State University, Murfreesboro, TN

B.S. in Recording Industry Management **1992**

Areas of Concentration: Media promotion and publicity, Copyright and contract law, digital audio editing and production. Dual Minor: Mass Communications and Entertainment Technology

PROFESSIONAL MEMBERSHIPS

- American Geophysical Union (AGU)
- Geological Society of America (GSA), Planetary Geology Division
- American Society for Photogrammetry and Remote Sensing (ASPRS)

RECENT EXPERIENCE

Oregon State University, Corvallis, OR

Webmaster / Graduate Research/Teaching Assistant / Lecturer (SU:09 only) **2006–2010**

Supervisor: Dr. Shan de Silva, Professor: Dept. of Geoscience, OSU (541-737-1212)

- Administered the design and implementation of an updated web presence for *Volcano World* and the Oregon NASA Space Grant Consortium (OSGC)
- Created a Microsoft Access database package for OSGC program participant longitudinal tracking
- Developed and delivered class lectures, assignments, laboratories, and grading for GEO 300
- Assisted with GEO 499 & 427 - including the Smithsonian GVP collaborative project
(part time student position / ~\$500/pcm)

NASA Jet Propulsion Laboratory, Pasadena, CA

GIS Consultant (08-10) / Intern (07) **2007–2010**

Mentor: Dr. Rosaly Lopes, Senior Scientist (818-393-4584)

- Delineated and quantified, using ArcGIS, the distribution and temporal relationships of Titan's surface features in the Synthetic Aperture Radar (SAR) data returned from the Cassini spacecraft
- Collaborated with the Science Team to interpret and describe the origin of Titan surface features
(part-time / no-fee consultant)

University of North Dakota, Grand Forks, ND

Lecturer (04-06) / Graduate Teaching Assistant (02-04) **2002-2006**

Supervisor: Suzette Bieri, Asst Director: NASA North Dakota Space Grant (701-777-4856)

- Developed course lectures, writing assignments, and grading for SpSt 200
- Oversaw course recertification as a university-wide general studies science requirement option
- Designed web and multimedia materials for UND outreach, North Dakota NASA Space Grant. and human spacesuit project

(part time student position / ~\$1000/pcm)

RECENT UNIVERSITY TEACHING

- Oregon State University, GEO 499, Planetary Geology (Teaching Assistant) **2010**
- Oregon State University, GEO 427, Volcanology (Project Assistant) **2008-2009**
- Oregon State University, GEO 300, Environmental Conservation and Sustainability (Lecturer) **2009**
- University of North Dakota, SpSt 200, An Introduction to Space Studies (Lecturer) **2003-2006**

RECENT COMMUNITY SERVICE

- Lecturer and outreach program assistant for events with the 4H, The SMILE Program, Saturday Academy, Corvallis High School, The NASA Explorer School Program, DaVinci Days, and the OSU-GIS Day as well as extensive outreach work for both the Oregon and North Dakota NASA Space Grant Consortia
- KATA Feline Rescue Team, Assistant Volunteer Coordinator (2007-2010)

OTHER PRIOR RELEVANT EXPERIENCE

Adelphia Cable, Irvine, CA

Project Information Manager

Supervisor: Prosper Kdoshim, Project Manager, (310-863-4377)

4/2001-11/2001

- Designed custom Microsoft Access database to track project workflow for the \$90 million southern California digital upgrade project (600,000 affected customers)
- Served as liaison to project designers and contractors

iNetNow!, Hollywood, CA

Internet Specialist

Supervisor: Pete Smith, Night Supervisor (Peter.smith@ttu.edu)

3/2000-3/2001

- Executed time sensitive specialized internet research for customers
- Responded to real-time customer assistance inquiries (via the telephone)
- Developed and beta tested a custom multi-browser search engine
- Acted as a human / computer interface for the blind

Micro Age Computers, Amarillo, TX

Software Instructor

Supervisor: Dani Fielding, Education Manager

4/1999-01/2000

- Microsoft Office products skills seminar instructor for local businesses
- Performed database conversions for local businesses to meet with Y2K specifications
- Developed a custom Microsoft Access database for the Texas Cattlefeeders political action committee

Integrated Copyright Group, Inc., Nashville, TN

Copyright Coordinator

Supervisor: John Barker, Owner (615-630-7500)

2/1993-7/1994

- Administered all aspects of publisher and writer client catalogues including: United States Copyright Office registrations and renewals, writer contracts and single-song assignments, Registration and indexing with appropriate Performing Rights Organizations (BMI/ASCAP/SESAC), etc.
- Liaison to foreign sub-publishers including catalog marketing for new territories

ACTIVITIES AND AWARDS

- ASPRS Certified GIS Mapping Scientist #GS227P (1st OSU student ever) • 2010
- Tower Geosciences Graduate Student Research Grant Recipient • 2009
- President, OSU Student Chapter of the (ASPRS) • 2008-2009
- OSU-ASPRS Student Conference Scholarship • 2008
- NASA 'Coffee with the Administrator' Award • 2008
- NASA Jet Propulsion Laboratory Funded Internship • 2007
- Geoscience Information Society (GSIS), Best General Public Website • 2005
- University of North Dakota, Graduate School Committee Student Rep. • 2003-2004
- Space Generation Advisory Council, United States Mid-West Regional Rep. • 2003-2005
- Space Studies Graduate Student of the Year • 2003

RECENT PRESENTATIONS, POSTERS, AND PAPERS

- R Peckyno. *Robotic Exploration of Our Solar System (and beyond!)*. (Invited Lecture) Tigard Public Library. October 01, 2011.
- R Peckyno. *Space Stations - From Skylab to Space Hotels*. (Invited Lecture) Tigard Public Library. September 24, 2011.
- R Peckyno. *The Sky is Falling: Meteorites, Asteroids, and Hazards from Above*. (Invited Lecture) Evergreen Aviation Museum. July 28, 2011.
- R M Lopes, R Peckyno, E R Stofan, J Radebaugh and the Cassini RADAR Team. *Geomorphological mapping of Saturn's moon Titan*. (Co-Author) IAG/AIG Regional Conference on Geomorphology: Addis Ababa, Ethiopia, February 18-22, 2011
- R M Lopes, ER Stofan, R Peckyno, et.al. *Distribution and Interplay of Geologic Processes on Titan From Cassini Data*. Icarus, Volume 205, Issue 2, February 2010, Pages 540-558.
- R Peckyno, S de Silva, R M Lopes, D Pieri. "LAMDA - The Lava Morphology Database: First Results and Interpretations" (POSTER) AGU Annual Meeting. December 2009, San Francisco, CA.
- R Peckyno, S de Silva. "LAMDA - The Lava Morphology Database: Concept and Call for Support." (PRESENTATION), GSA Annual Meeting. October 2009, Portland, OR.
- R Peckyno, S de Silva. *Assessing the Impact of Data Resolution for Remote Sensing Based Models of Planetary Lava Flow Rheology*. (POSTER) AGU Annual Meeting. December 2008, San Francisco, CA.
- L C Wye, H A Zebker, R M Lopes, R Peckyno, A Le Gall, M A Janssen. "Surface Parameters of Titan Feature Classes From Cassini RADAR Backscatter Measurements." (POSTER) AGU Annual Meeting. December 2008, San Francisco, CA.
R Peckyno, R M Lopes. *Shaping Titan Update: GIS Mapping Saturn's Largest Moon*. (PRESENTATION) ASPRS Columbia River Region Technical Session. September 2008, Vancouver, WA.
- R Peckyno, S de Silva. *Lava Flow Margin Lobation As A Proxy For Rheology*. (POSTER) IAVCEI Annual Conference. August 2008, Reykjavik, Iceland.
- R Peckyno, R M Lopes. *A GIS Approach to Mapping Titan*. (PRESENTATION) The Cassini Titan Surfaces Meeting, July 2007, USGS Astrogeology Office, Flagstaff, AZ.
- Kids to Space: A Space Traveler's Guide – Contributing author. ISBN: 1894959426, Release 05/28/2006.
- R Peckyno, DKR Robinson, R. Zelnio. *The Committee on Lunar Exploration Advanced Robots and Satellites (CLEARS): A Working Model for the Alignment of Lunar Science Programs*. (PRESENTATION) 55th International Astronautical Congress of the International Astronautical Federation, the International Academy of Astronautics, and the International Institute of Space Law, Vancouver, British Columbia, Oct. 4-8, 2004. IAC.04.IAA.3.6.1.09.
- R Peckyno, E Sadeh. *Political and Policy Evolution of Chinese Lunar Plans (AAS 03-750)* Proceedings of the International Lunar Conference 2003. International Lunar Exploration Working Group 5 - ILC2003 / ILEWG 5. ISBN 0-87703-513-X.

PROFESSIONAL REFERENCES

(All referees can be contacted without notice)

Dr. Shan de Silva
Oregon State University
Department of Geosciences, Professor
23 Dawes House
541.737.1212

desilvas@geo.oregonstate.edu

Primary academic advisor

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Dr. Rosaly Lopes
NASA Jet Propulsion Laboratory, Senior Scientist
Earth and Space Sciences Division
Mail Stop 183-601
818.393.4584

Rosaly.M.Lopes@jpl.nasa.gov

JPL primary advisory

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Dr. Paul S. Hardersen
University of North Dakota
Space Studies Department, Associate Professor
Clifford Hall Room 512
4149 University Ave Stop 9008
Grand Forks, ND 58202
701.777.4896

hardersen@space.edu

Primary academic advisor