

CHRISTINE E. BLINN
Curriculum Vitae

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EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA
Ph.D. Forestry
August 2005

Virginia Polytechnic Institute and State University, Blacksburg, VA
M.S. Forestry
July 2000

Rutgers University, Cook College, New Brunswick, NJ
B.S. Natural Resource Management
Minor in Environmental & Business Economics
Certificate in Environmental Geomatics
George H. Cook Scholar
May 1997

DISSERTATION

Increasing the Precision of Forest Area Estimates through Improved Sampling for Nearest Neighbor Satellite Image Classification

THESIS

Estimation of Important Scenic Beauty Covariates from Remotely Sensed Data

**HONORS
THESIS**

Stand Characteristics of Nesting Sites of Northern Goshawks, *Accipiter gentilis*, on the Kenai Peninsula, Alaska

**RESEARCH
INTERESTS**

Remote sensing, geographic information systems (GIS), and statistical applications for natural resource inventory and management.

**RELEVANT
EXPERIENCE**

Graduate Research & Teaching Assistant Virginia Tech, Blacksburg, VA
August 1997 – August 2005 (20 hours per week)
- Prepared and taught labs in Forest Photogrammetry and Forest Measurements classes
- Guest lecturer in Remote Sensing and GIS classes (graduate and undergraduate)
- Skilled in the use of Erdas Imagine and ArcGIS
- Created programs in Fortran 95 for simulations on SGI Altix supercluster
- Collected digital aerial imagery of horseshoe crab spawning in the Delaware Bay

Biological Science Technician/Biological Science Aid (Wildlife) USDA Forest Service, Chugach National Forest, Seward Ranger District, Seward, AK
May – August 1996 and June – August 1995 (volunteer) (40 hours per week)
- Conducted goshawk and marbled murrelet surveys and small mammal trapping

Park Naturalist NJ Department of Environmental Protection, Division of Parks and Forestry, Brendan T. Byrne (formerly Lebanon) State Forest, Pemberton, NJ
May - August 1994 (35 hours per week)
- Conducted nature walks, presented slide shows, and guided bus tours
- Maintained exhibits in Nature Center and provided public outreach

Seasonal Assistant NJ Department of Environmental Protection, Office of the Commissioner, Trenton, NJ
June – August 1993 and December – January 1994 (35 hours per week)
- Maintained filing system, updated files on computer system, and assisted in research

Seasonal Assistant NJ Department of Commerce & Economic Development, Division of Travel and Tourism, Trenton, NJ
June – August 1992 (35 hours per week)
- Maintained files, compiled and mailed literature, answered phone inquiries, and typed memoranda and correspondence

TEACHING EXPERIENCE

Teaching Assistant, Forestry Faculty, Virginia Tech, Blacksburg, VA, Summer 2004 (Governor’s School for Agriculture)

Graduate Teaching Assistant, Forestry Faculty, Virginia Tech, Blacksburg, VA, Fall 2001, 2002, and 2003 (Forest Photogrammetry & Spatial Data Processing)

Co-Instructor, Forestry Faculty, Virginia Tech, Blacksburg, VA, January 9-10, 2001 (IGSCR Training Workshop)

Graduate Teaching Assistant, Forestry Faculty, Virginia Tech, Blacksburg, VA, Fall 1998, 1999, and 2000 (Intro. Forest Measurements)

AWARDS AND ACTIVITIES

Virginia Tech Graduate Student Assembly Travel Grant for ASPRS 2004

ASPRS Potomac Region At-Large Scholarship (2000)

Virginia Tech Graduate Student Assembly Travel Grant for ASPRS 2000

Virginia Tech Student Chapter of ASPRS

Department of Forestry, Graduate Student Assembly Delegate, 2003-2005

MEMBERSHIPS

ASPRS: The Imaging & Geospatial Information Society

Gamma Sigma Delta, The Honor Society of Agriculture

Phi Sigma, Biological Honor Society

Society of American Foresters

Virginia Academy of Science

Xi Sigma Pi, The National Forest Management Honor Society

PUBLICATIONS

Musy, R.F., R.H. Wynne, C.E. Blinn, J.A. Scrivani, and R.E. McRoberts, in press. Automated forest area estimation via iterative guided spectral class rejection. *Photogrammetric Engineering & Remote Sensing*.

PRESENTATIONS
(Presenter in bold)

Paper presentation - **Blinn**, C.E., and R.H. Wynne, 2005. Optimal sampling for satellite based forest area estimation. ASPRS 2005 Annual Conference Proceedings, Baltimore, MD, March 7-11, 2005.

Paper presentation - **Blinn**, C.E., and R.H. Wynne, 2004. Exploration of training data sample characteristics and their impact on satellite image classification. ASPRS 2004 Annual Conference Proceedings, Denver, CO, May 23-28, 2004.

Paper presentation - **Blinn**, C.E., R.H. Wynne, and J.A. Scrivani, 2004. Establishing independent land use intensification plots with minimal cost: an evaluation of spatial autocorrelation. Monitoring Science & Technology Symposium, Denver, CO, Sept. 20-24, 2004.

Poster presentation - **Blinn**, C.E., R.H. Wynne, and J.A. Scrivani, 2004. Improving the precision of satellite-based forest area estimation: the role of sample size. 2004 Virginia GIS Conference, Roanoke, VA, Nov. 8-9, 2004.

Paper presentation - **Blinn**, C.E., R.H. Wynne, and J.A. Scrivani, 2002. Factorial analysis of IGSCR parameters using a hypothesis testing approach. *Technical Papers, 68th Annual Meeting of the American Society for Photogrammetry and Remote Sensing*, Washington, DC.

Paper presentation - **Musy**, R.F., R.H. Wynne, C.E. Blinn, and J.A. Scrivani, 2002. Training data for satellite-based forest area estimation. *Technical Papers, 68th Annual Meeting of the American Society for Photogrammetry and Remote Sensing*, Washington, DC.

Poster presentation - **Blinn**, C.E., R.H. Wynne, and J.A. Scrivani, 2002. Optimizing IGSCR parameter values for forest/non-forest classifications. *4th Annual Virginia Tech GIS and Remote Sensing Research Symposium*, Roanoke, Virginia, March 13.

Poster presentation - **Musy**, R.F., R.H. Wynne, C.E. Blinn, and J.A. Scrivani, 2002. Automation of the hybrid satellite image classification algorithm known as Iterative Guided Spectral Class Rejection. *4th Annual Virginia Tech GIS and Remote Sensing Research Symposium*, Roanoke, Virginia, March 13.

Poster presentation - **Musy**, R.F., R.H. Wynne, C.E. Blinn, and J.A. Scrivani, 2001. Towards more objective training data collection for land use classification. *3rd Annual Virginia Tech GIS and Remote Sensing Research Symposium*, Roanoke, Virginia, March 14.

Paper presentation - **Scrivani**, J.A., R.H. Wynne, C.E. Blinn, and R.F. Musy, 2001. Phase I forest area estimation using Landsat TM and Iterative Guided Spectral Class Rejection: Assessment of possible training data protocols. *Proceedings of the 2nd Annual Forest Service FIA Symposium*, Salt Lake City, Utah, October 17-18, 2000. General Technical Report SRS-47. Asheville, NC: USDA Forest Service Southern Research Station.

Paper presentation - **Blinn**, CE, G.J. Buhyoff, and R.H. Wynne, 2000. Estimation of important scenic beauty covariates from remotely sensed data. *ASPRS 2000 Proceedings*. Washington, DC, May 22-26, 2000.

REFERENCES

Dr. Randolph H. Wynne
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