



VIRGINIA TECH
FORESTRY



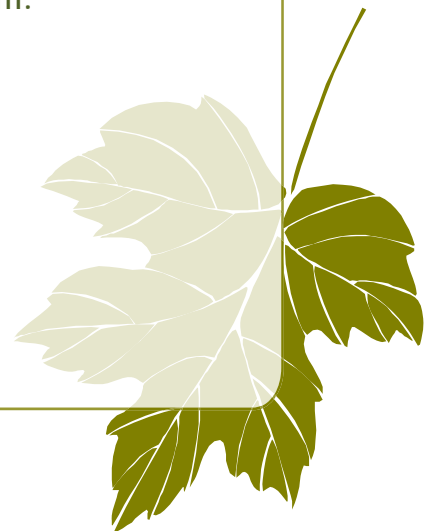
College of Natural Resources
Department of Forestry

Presents

**1st Annual Forestry
Graduate Symposium**

**Monday
March 30, 2009**

9:00 a.m. - 5:00 p.m.



Agenda

9:00-9:30

Coffee Social - 315 Cheatham Hall

9:30-10:15

Graduate Student Panel Discussion - 315 Cheatham Hall

- Claudia Cotton
- James Freeman
- Lance Vickers

10:30-10:50

Welcoming remarks - Fralin Auditorium

- Vice President & Dean Karen DePauw
- Dean Mike Kelly

10:50 -11:55

Keynote Speech - Fralin Auditorium

Forests: What Role in America's Energy Future?

Dr. Al Sample, President, Pinchot Institute for Conservation

12:00 -1:00

Lunch and Roundtable Discussion - Cheatham Hall, 317 B and C

1:00 -3:00

Graduate Oral Presentations - Fralin Auditorium

- James Freeman - *Teamwork in Natural Resources: A Case Study of Forest Service NEPA Teams*
- Logan Park - *Spatially Modeling Hiker Soundscapes: a GPS driven approach*
- Susmita Sen - *Locating Reclaimed Coal Mines in Southwestern Virginia Using Multitemporal Satellite Images*
- Jeremy Stovall - *Using Crown Ideotypes to Improve Clonal Screening in Loblolly Pine*
- Fanfan Weng - *Emerging Biomass Markets and Land Use*

Presentation Judges

- Jennifer Gagnon
- Dr. Karen Hockett
- Dr. Kevin McGuire
- Dr. Phil Radtke
- Dr. Stephen Schoenholtz

3:30-5:00

Graduate Poster Session and Social - 315 Cheatham Hall

- Claudia Cotton - *A Pilot Study to Predict Upland Hardwood Forest Site Quality and Potential Productivity in the Southern Appalachians*
- Danielle Gift - *Earthworms In The Urban Environment: Can Population Augmentation Help Improve Urban Forest Performance?*
- Kemal Gökkaya - *Spatial Modeling of Foliar Nutrients Using Hyperspectral Remote Sensing at a Boreal Mixedwood Forest in Northern Ontario, Canada*
- Charley Kelly - *Vegetation controls on Nitrogen Cycling and Retention: Soil and Water Characteristics of "Tight" and "Leaky" Watersheds*
- Courtney Kimmel - *Conservation 2.0 & Landcare*
- Chris Kiser - *Nutrient Pools at the Southeast Tree Research and Education Site (SETRES)*
- Katie Nelson - *Small Scale and Amenity Focused Forestry: Filling a Market Niche*
- Alicia Peduzzi - *Estimation of Leaf Area Using LiDAR Data in Intensively and Extensively Managed Temperate Forests*
- Valquiria Quirino - *How Much Variability in Soil Respiration can Remotely Sensed Forest Structure Explain?*
- Rupesh Shrestha - *Discriminating Individual Trees in an Urban Landscape using Small-Footprint Lidar Data*
- Huei-Jin Wang - *Coarse Woody Debris in Loblolly Pine Plantations: A Regional Assessment*

Poster Judges

- Dr. M. Chad Bolding
- Dr. Harold Burkhart
- Kathie Hollandsworth
- Dr. John Munsell
- Dr. Steve Prisley

Symposium Organizing Committee

- Matthew Brinckman
- Kemal Gökkaya
- Salli Dymond
- Charley Kelly
- Katie Nelson
- Alicia Peduzzi
- Tyler Wright

Graduate Affairs Committee, Department of Forestry, Virginia Tech

- Dr. Randy Wynne (Chair)
- Dr. Amy Brunner
- Dr. Val Thomas
- Dr. Shep Zedaker
- Alicia Peduzzi



Keynote Speaker

V. Alaric (AI) Sample

V. Alaric (AI) Sample has served as President of the Pinchot Institute for Conservation in Washington, DC since 1995. He is a Fellow of the Society of American Foresters, and a Research Affiliate on the faculty at the Yale School of Forestry and Environmental Studies. He is author of numerous research papers, articles and books on topics in national and international forest policy. His most recent book is *Common Goals for Sustainable Forest Management: Divergence and Reconvergence of American and European Forestry*, with Steven Anderson (Forest History Society 2008). Sample earned his doctorate in resource policy and economics from Yale University. He holds two masters degrees, an MBA and a Master of Forestry both from Yale, and a Bachelor of Science in forest resource management from the University of Montana. His professional experience is in both the public and private sector and includes assignments with the U.S. Forest Service, Champion International, The Wilderness Society, and the Prince of Thurn und Taxis in Bavaria, Germany. He specialized in resource economics and forest policy as a Senior Fellow at the Conservation Foundation in Washington, DC, and later as Vice President for Research at the American Forestry Association. Sample has served on numerous national task forces and commissions, including the President's Commission on Environmental Quality task force on biodiversity on private lands, and the National Commission on Science for Sustainable Forestry.

ABSTRACT

Forests: What Role in America's Energy Future? V. Alaric Sample
President, Pinchot Institute for Conservation

Two major priorities in national policy—mitigating climate change, and achieving greater energy security through increased domestic renewable energy production—have converged to create new and rapidly expanding demands on US forests for wood-based bioenergy. Wood bioenergy development holds important opportunities, and challenges, for sustainable forest management. What is the long-term vision for the continuing role of forests in America's energy future? And what are the steps to achieving this future, while continuing to sustain the array of economic goods, ecosystem services, and social values that forests provide?