

## Day 1: Tuesday, September 16th

Time	Platinum Grand Ballroom DE		
8:30 AM - 10:00 AM	<b>Plenary Session I</b>		
8:30 - 8:45	<b>Welcome - Ben Spong, Conference Chair</b>		
8:45 - 9:15	<b>WVU Forestry and Operations - WVU School of Natural Resources Director - Amy Welch</b>		
9:15 - 9:45	<b>Appalachian Forests and Industry - Joseph McNeel</b>		
9:45 AM - 10:30 AM	<b>Networking &amp; Refreshment Break</b>		
10:30 AM - 12:00 PM	<b>Plenary Session II</b>		
10:30 - 11:15	<b>Rethinking Forestry Roads: Designing for Sustainability, Resilience, and Evolving Operational Needs</b> - Matthew Dickie (Softree Technical Systems)		
11:15 - 11:30	<b>IUFRO</b> - René Zamora-Cristales (Department of Forest Engineering, Resources and Management, College of Forestry, Oregon State University)		
11:30 - 12:00	<b>Thirty-five Years of Monitoring Montana Forestry Best Management Practices: What Have We Learned?</b> - Jordan Buxton (Montana Department of Natural Resources and Conservation), Elizabeth Dodson (University of Montana), Marc Vessar (Montana Department of Natural Resources and Conservation)		
12:00 PM - 1:00 PM	<b>Lunch</b>		
1:00 PM - 3:00 PM	<b>Session 1A: Forest Operations in a Changing World</b>	<b>Session 1B: Student Presentations - Soil, Site Impacts, and Harvesting I</b>	
	<b>ROOM: SALON FGH</b>	<b>ROOM: WHARF AB</b>	
1:00 - 1:30	<b>Dynamic programming under complex forests: Optimizing Innovative business models and operations to restore secondary forests</b> - René Zamora-Cristales (Department of Forest Engineering, Resources and Management, College of Forestry, Oregon State University)	<b>Impact of different trail systems on residual tree damage during mechanized harvesting in northern mixed hardwoods</b> - Bibek Bhandari (Department of Wood and Forest Sciences, Université Laval), Eric R. Labelle (Department of Wood and Forest Sciences, Université Laval), Shuva H. Gautam (Department of Wood and Forest Sciences, Université Laval)	
1:30 - 2:00	<b>Long term development of logging costs in Sweden.</b> - Lars Eliasson (Skogforsk, The forestry research institute of Sweden)	<b>Long-term Site Productivity Impacts of Bladed Skid Trails in Mountainous Appalachian Terrain</b> - Ryan Chewning (Virginia Tech), Michael Berry (Virginia Tech), Corey Green (Virginia Tech), Scott Barrett (Virginia Tech)	

2:00 - 2:30	<b>From Field Data to Sustainable Decision-Making: Digital Transformation in Forest Operations</b> - Joseph Moffet, (G.A. Logix)	<b>Evaluating Machine Travel Patterns and Soil Impacts from Thinning and Regeneration Harvests in Loblolly Pine Plantations of the Southeastern US</b> - Haomin Huang (Warnell School of Forestry and Natural Resources, University of Georgia)	
2:30 - 3:00	<b>A long-term assessment of the operational characteristics of Virginia Logging Businesses (2009-2024).</b> - Temitope E. Ogana (Virginia Tech), Scott M. Barrett (Virginia Tech), Michael D. Berry (Virginia Tech), Stella Schons (Virginia Tech), Jay Sullivan (Virginia Tech)	<b>Soil Impacts from Winch-Assist Timber Harvesting in Central Appalachia</b> - Dylan Lang (West Virginia University), Ben Spong (West Virginia University)	
3:00 PM - 3:30 PM	<b>Networking &amp; Refreshment Break</b>		
3:30 PM - 4:30 PM	<b>Session 2A: Environmental Impacts &amp; Forest Operations</b>	<b>Session 2B: Student Presentations - Soil, Site Impacts, and Harvesting II</b>	
3:30 - 4:00	<b>Quantifying Streamside Management Zone Breakthroughs and Harvest-Related Disturbances on Tethered Versus Conventional Logging Sites in the Mountains of West Virginia</b> - Emmaline Clark (VA Tech), Scott Barrett (VA Tech), Brent Hawks (Weyerhaeuser Company), Adam Coates (VA Tech), Michael Berry (VA Tech)	<b>Harvesting productivity during burned timber salvage operations</b> - Jessica Solofonirina Ramaroson (Laval University)	
4:00 - 4:30	<b>Quantifying the influence of varying trail systems and harvesting intensities on soil quality</b> - Ben-amar amal (Laval University, Department of Wood and Forest Sciences, Quebec, Canada), Eric R. Labelle (Laval University, Department of Wood and Forest Sciences, Quebec, Canada), Évelyne Thiffault (Laval University, Department of Wood and Forest Sciences, Quebec, Canada)	<b>Productivity and costs of salvage logging using cut-to-length harvesting systems in the Southeastern US: A case study following Hurricane Helene</b> - Timothy Miller (University of Georgia), M.C. Bolding (University of Georgia), J.L. Conrad (University of Georgia), H.L.M. Mapatunage (University of Georgia), P. Bettinger (University of Georgia), R. Spinelli (CNR Institute of Bioeconomy)	

## Day 2: Wednesday, September 17th

Time	ROOM: SALON DE	ROOM: WHARF AB	ROOM: SALON FGH
8:30 AM - 10:00 AM	<b>Session 3A: Next-Gen Forest Management &amp; Technology</b>	<b>Session 3B: Student Presentations - Economics, Business, and Workforce I</b>	<b>Session 3C: Biobased Economy</b>

8:30 - 9:00	<b>Giving eyes to a mechanical tree planting machine</b> - Tobias Semberg (Skogforsk)	<b>The Operational and Value Implications of Conservation Easements in Georgia: A Case Study</b> - Toby Welton (University of Georgia), Timothy Miller (University of Georgia), Joe Conrad (University of Georgia), Yanshu Li (University of Georgia), Chad Bolding (University of Georgia), Erin Lincoln (University of Georgia)	<b>Biofuel options for power in the eastern US</b> - Pat Donnelly (WVU Extension)
9:00 - 9:30	<b>Robotic Sensing for Automated Volume Estimation of Long Logs in Forestry Operations</b> - Maxime Vaidis (CARVI/Université Laval)	<b>Investigating the Relationship between Nonindustrial Private Forest (NIPF) Landowners and Logging Businesses in the US South</b> - Onyinye P. Choko (University of Georgia), Joseph L. Conrad IV (University of Georgia), Puneet Dwivedi (Clemson University), Michael C. Bolding (University of Georgia), Pete Bettinger (University of Georgia), Bruno K. Da Silva (University of Georgia)	<b>Portable Sawmills: Productivity and Sawdust Inhalation</b> - Patrick Hiesl (Clemson University), John Visbisky (Clemson University), Trevor Stamey (Clemson Experimental Forest), Bart Swecker (Clemson University), Brunela Rodrigues (Clemson University), Janet Steele (Clemson Cooperative Extension Service)
9:30 - 10:00	<b>Autonomous log loading using a stereoscopic camera</b> - Tobias Semberg (Skogforsk), Anders Nilsson (Skogforsk), Linnea Hansson (Skogforsk), Rolf Björheden (Skogforsk)	<b>Log Truck Weight Regulations and Operational Impacts: Perspectives from Alabama's Logging Industry</b> - Mandira Pokharel (Auburn University), Marissa "Jo" Daniel (Auburn University), Richard Cristan (Auburn University), Manisha Parajuli (Kentucky State University)	<b>Timber-Safe Network (TSN) Reduction of Central Appalachian Logging Hazards through the Implementation and Diffusion of a Community Based Logging Operations Safety and Health Resource Network</b> - Mark Fullen (West Virginia University)
10:00 AM - 10:30 AM	<b>Networking &amp; Refreshment Break</b>		
10:30 AM - 12:00 PM	<b>Session 4A: Challenging Environments I</b>	<b>Session 4B: Student Presentations - Economics, Business, and Workforce II</b>	<b>Session 4C: Challenging Environments II</b>
10:30 - 11:00	<b>Evaluating GIS-based predictors of soil bearing capacity for forestry operations</b> - Ida Johansson (Skogforsk), Lars Eliasson (Skogforsk), Linnea Hansson (Skogforsk), Sima Mohtashami (Skogforsk)	<b>What does it cost to own and operate a log truck in the US South?</b> - Jack Derochers (University of Georgia), Joseph L. Conrad IV (University of Georgia), M. Chad Bolding (University of Georgia), Bruno Kanieski Da Silva (University of Georgia), Mathew Smidt (US Forest Service)	<b>Temporal Changes in Infiltration Due to Forest Fire and Logging in Uljin-gun, Republic of Korea</b> - Wonho Kim (Sangji University), Jun Park (Sangji University), Junpyo Seo (National Institute of Forest Science), Hakjun Rhee (Sangji University)
11:00 - 11:30	<b>Synthetic Rope: Adoption; Applications; and New Developments</b> - Dr. John Garland (Consulting Forest Engineer), Dr. Steve Pilkerton (Oregon State University), David O'Neill (Gannet Nets)	<b>Examining the Barriers to Entry for Third Party Logging Truck Drivers in the Southeastern United States</b> - Dr. Marissa Jo Daniel (College of forestry, wildlife and environment.), Dr. Richard Cristan (College of forestry, wildlife and environment.), Dr. Adam Maggard (College of forestry, wildlife and environment.)	<b>Assessing carbon emissions from harvesting and transportation in Alabama's sawmills and paper mills</b> - Rapeepan Kantavichai (USDA FS), Tom Gallagher (Auburn University), Abubakar Tahiru (Auburn University), Richard Cristan (Auburn University), Jo Daniel (Auburn University), Lana Narine (Auburn University)

11:30 - 12:00	<b>Evaluating fuel consumption and productivity of hybrid harvesters operating in eastern Canada</b> - Eric R. Labelle (Université Laval), Mahsa Yadegari (Université Laval), Luc LeBel (Université Laval)	<b>Route Optimization for Log Truck Transportation: Analyzing Safety and Transportation Efficiency</b> - Puspa Raj Joshi (College of Forestry, Wildlife and Environment, Auburn University), Dr. Richard Cristan (College of Forestry, Wildlife and Environment, Auburn University), Dr. Marissa Jo Daniel (College of Forestry, Wildlife and Environment, Auburn University), Dr. Adam Maggard (College of Forestry, Wildlife and Environment, Auburn University), Dr. Lana Narine (College of Forestry, Wildlife and Environment, Auburn University)	
12:00 PM - 1:00 PM	<b>Lunch and Business Meeting</b>		
1:00 PM - 3:00 PM	<b>Session 5A: Mitigating Wildfire Risk &amp; Restoration</b>	<b>Session 5B: Student Presentations - Technology and Modeling</b>	<b>Session 5C: Student Presentations - Environmental &amp; Site Impacts</b>
1:00 - 1:30	<b>Simulating Forest Fuel Treatment Logistics: A Discrete-Event Modeling Approach to Biomass Utilization and Economic Viability</b> - Rafael O. Brown (ORISE, USDA Forest Service), Mathew F. Smidt (USDA Forest Service), Nathaniel M. Anderson (USDA Forest Service)	<b>Optimizing Biomass and Waste Feedstock Logistics with AI: An Integrated Multimodal Transport for Bioenergy and Bioproduct System in the Mid-Atlantic Region of the United States</b> - Johanna Gonzalez (North Carolina State University)	<b>Evaluating Soil Erosion at Harvest Sites Using UAV Imagery, Deep Learning, and GIS</b> - Manisha Parajulii (Kentucky State University and Auburn University), Tom Gallagher (Auburn University), Richard Cristan (Auburn University), Marissa Jo Daniel (Auburn University), Arjun Rijal (Auburn University), Dana Mitchell (Department of Energy), Timothy McDonald (Auburn University)
1:30 - 2:00	<b>An analysis of the process and attributes used in the Transaction Evidence Appraisal method for Forest Service timber sales in the US Southwest</b> - Tucker Herbert (Northern Arizona University), Han-Sup Han (Northern Arizona University), Mathew Smidt (US Forest Service), Jaechoul Lee (Northern Arizona University)	<b>A Machine Learning-Based Integrated Modeling and Analysis Framework for Sustainable Biomass Supply Chain Management</b> - Jinghan Zhao (North Carolina State University), Jingxin Wang (North Carolina State University)	<b>Assessing Impacts of PM2.5 Emission Changes in Forest Industries of Alabama, USA</b> - Dr. Marissa "Jo" Daniel (College of Forestry, Wildlife and Environment, Auburn University), Dr. Richard Cristan (College of Forestry, Wildlife and Environment, Auburn University), Dr. Lana Narine (College of Forestry, Wildlife and Environment, Auburn University), Manisha Subedi (College of Forestry, Wildlife and Environment, Auburn University)

2:00 - 2:30	<b>Forest Restoration Strategy to Reduce Sediment Yield from Burned Areas in Republic of Korea</b> - Jun Park (Sangji University), Wonho Kim (Sangji University), Junpyo Seo (National Institute of Forest Science), Hakjun Rhee (Sangji University)	<b>Optimization of Harvest Unit Layout for Tethered Thinning Operations</b> - Murat Ozmen (Oregon State University), Woodam Chung (Oregon State University)	<b>Evaluating the Quality of Machine Operator Tree Selection Decisions When Thinning Pine Plantations in the Southeastern US</b> - Josh Mullins (University of Georgia), M. Chad Bolding (University of Georgia), Joseph L. Conrad IV (University of Georgia), Bruno K. Da Silva (University of Georgia), Stephen M. Kinane (University of Georgia)
2:30 - 3:00	<b>Forest Health and Fire Prevention by Mulching</b> - Hannah Mayo (Auburn University)	<b>Application of unmanned aerial vehicles (UAVs) in forestry</b> - Prakash Ojha (College of Forestry, Wildlife and Environment, Auburn University), Dr. Marris "Jo" Daniel (College of Forestry, Wildlife and Environment, Auburn University)	
3:00 PM - 3:30 PM	<b>Networking &amp; Refreshment Break</b>		
3:30 PM - 4:30 PM	<b>Session 6A: Advances in Forest Operations &amp; Logistics</b>	<b>Session 6B: Environmental &amp; Restoration Topics</b>	
3:30 - 4:00	<b>Updating the Machine Rate Costing Methodology for Selected Forest Harvesting Machines</b> - Chad Bolding (University of Georgia), Joe Conrad (University of Georgia), Thomas Black (University of Georgia)	<b>Soil nutrient management for energy crop production on legacy mine sites: A case study of Marion County, WV</b> - Debsree Mandal (NC State University)	
4:00 - 4:30	<b>Productivity Estimates for Whole-Tree Harvesting Equipment Under Operating Conditions Typical of the Piedmont and Coastal Plain Regions of the US South</b> - Joe Conrad (Langdale Center for Forest Business, University of Georgia), Jared Beeler (Langdale Center for Forest Business, University of Georgia), Chad Bolding (Langdale Center for Forest Business, University of Georgia), Puneet Dwivedi (Department of Forestry and Environmental Conservation, Clemson University)	<b>Real-Time Estimation of Logging Equipment Carbon Emission in the Southeastern United States</b> - Abubakar Tahiru (Auburn University)	
5:30 PM - 9:00 PM	<b>Cooper Rock State Forest and Awards Banquet @ WVU Natural Resource Center at the WVU Research Forest - Bus Transport Departs Marriott at 5:30PM</b>		

### Day 3: Thursday, September 18

Time	Field Tour	Location	
8:00 AM	Departure	WaterFront Place Marriott, Morgantown, WV	
8:45 AM - 10:45 AM	Our first stop is a specialized cooperage and stave mill. We will view high-quality Appalachian oak being transformed into precision-cut staves and then assembled into barrels—a critical component for the whiskey, wine, and spirits industries.	Wilson Forest Products (Cooperage & Stave Mill), Jefferson, PA	
11:30 AM - 12:30 PM	Enjoy a catered lunch from the at the at the WV Botanic Garden. This break offers a chance to network with fellow attendees in a unique setting.	WV Botanic Garden	
1:00 PM - 2:30 PM	Experience Appalachian timber harvesting firsthand at an Nicholson Logging's active operation. The site managers will discuss sustainable forestry practices and provide specific insights into the vital role of logging contractors within the regional wood industry.	Nicholson Logging Harvesting Site - 62 Co Rd 81/3, Morgantown, WV	
3:15 PM - 4:30 PM	Discover innovation in value-added wood products. This stop will showcase the process of converting hardwood waste into premium, reusable charcoal, highlighting a commitment to sustainability and full utilization of timber resources.	Prime 6, Fairmont, WV	
5:00PM	The tour bus will return to the conference hotel, concluding the day's events.	WaterFront Place Marriott, Morgantown, WV	