



44th Annual
Southeastern Environment & Recreation Research Conference
March 20th – 22nd, 2022
Cambria Hotel Downtown
Asheville, NC
Conference Website – <http://serrconference.org>

CONFERENCE PROGRAM

Sunday, March 20th, 2022

3:00 – 6:00pm **Registration in the Arcade South East**

4:00 – 4:10 pm **Welcome: Bynum Boley and Michael Bradley, Conference Co-Chairs –
Room: Arcade North West**

4:10 – 5:55 **SESSION #1.1: Tourism Marketing
Room: Arcade North West (Moderator: Bynum Boley)**

4:10 -4:35 **Destination Stereotypes, Destination Image & Impacts on Tourist Behavior:
A Literature Review**
Sabrina Rahman & Bynum Boley (University of Georgia)

4:35 – 5:00 **Motivations for private nature-based tourism land use: A cross-case
comparative analysis**
Shane Feyers & Taylor Stein (University of Florida)

5:00 – 5:25 **Bandwagoners or snobs? Developing the conspicuous consumption posting
scale**
Zachary Russell, Bynum Boley, Kyle Woosnam, and W. Keith Campbell
(University of Georgia)

5:25 – 5:55 **What would you give? Developing and testing the Travel Photo Sacrifice
Scale (TPSS)**
Zachary Russell & Bynum Boley (University of Georgia)

4:10 – 5:30 **SESSION #1.2: Wildlife and Hunting
Room: Arcade South East (Moderator: Lincoln Larson)**

4:10 -4:35 **An analysis of sportspersons intention to access Wildlife Management Areas
in Tennessee**
Ram Adhikari & Neelam Poudyal (University of Tennessee – Knoxville)

4:35 – 5:00 **Conservation Motivations and Willingness to Pay for Wildlife Management
Areas among Diverse User Groups**
William Casola, Nils Peterson, Krishna Pacifici, Erin Sills, and Christopher
Moorman (North Carolina State University)

5:00 – 5:25 **Developing and implementing R3 programs for college students: Lessons learned from a nationwide project designed to diversify hunting**
Richard von Furstenberg, Lincoln Larson, Victoria Vayer, Nils Peterson, Kangjae Lee (North Carolina State University), Walter James, and Chester Clark (NC Wildlife Resource Commission.)

6:30 – later **Dinner/Socializing/Networking at Pack’s Tavern 20 S. Spruce St.**

Monday, March 21st, 2022

7:30 – 8:30 **Breakfast provided at the hotel in Arcade Pre-Function**

8:30 – 10:10 **SESSION #2.1: International Tourism**
Room: Arcade North West (Moderator: Taylor Stein)

8:30 – 8:55 **Understanding Tourists’ Preferences and Perceptions of Wildlife Tourism Attractions in Bocas del Toro, Panama**
River Hayes (Brandeis University), Leon Mach (The School for Field Studies), Sam Van Horn (Davidson College), and Rachel Kessler (University of Virginia)

8:55 – 9:20 **Internet Usage and Social Media Impact on the Galapagos Island Visitor Preferences**
Andres Leon, Taylor Stein (University of Florida), Jeffrey Skibins (East Carolina University), and Andres Esteban Leon-Reyes (University of Florida/ Universidad San Francisco de Quito)

9:20 – 9:45 **Ecotourism and Protected Areas: Governance, Power, Community**
Camila Rojas, Bynum Boley, Jesse Abrams (University of Georgia), and Leon Mach (School for Field Studies)

9:45 - 10:10 **Tiger Recovery Program: Lessons from India’s tiger conservation success and policy context**
Pramod Kumar Yadav, Matthew Brownlee, Savannah Dopkins, and Akiebia Hicks (Clemson University)

8:30 – 10:10 **SESSION #2.2: Trails and Public Land Recreation**
Room: Arcade South East (Moderator: Erik Rabinowitz)

8:30 – 8:55 **Integrating a new NSRE and SCORP: Opportunities for collaboration to address equity and health**
Wayde Morse (Auburn University)

8:55 – 9:20 **Looking to the Oracle: Understanding assumptions in visitor-use management research using the Delphi method**
Michael Brunson (Kansas State University)

9:20 – 9:45 **“How many visitors come here?”: Why this simple question might stump us**
Dani T. Dagan & Matthew T.J. Brownlee (Clemson University)

9:45-10:10	<p>An investigation of soil impact of Electric Mountain Bikes compared to traditional mountains. Don Harley, Matt Houseman, Mason Holeman, & Erik Rabinowitz (Appalachian State University)</p>
10:10 – 10:25	Break
10:30 – 12:00	<p>SESSION #3 Panel discussion – Current Topics and Research Needs in National Forest Recreation Management (Moderator: Bynum Boley) Room: Arcade North West</p> <p>Panelists: Lisa Jennings (Recreation & Trails Program Manager for Grandfather Ranger District- Pisgah National Forest) Jesse English (Recreation, Wilderness & Trails Program Manager Forest Landscape Architect- Cherokee National Forest) Michelle Mitchell (Director: Recreation, Wilderness, Heritage, and Volunteers- Southern Regional Office) Wayna Adams (Heritage Program Director- FS Southern Region) Morgan Sommerville (Director of Visitor Use Management- Appalachian Trail Conservancy)</p>
12:00 – 2:00	<p>Lunch on your own. Explore Asheville! (SERR Planning Meeting: Anyone Interested is Welcome!)</p>
2:00 – 3:40	<p>SESSION #4.1: General Recreation Room: Arcade North West (Moderator: Gary T. Green)</p>
2:00 – 2:25	<p>Recreation use patterns and drivers to 2070 in most popular activities for contiguous U.S. Ashley E. Askew, (University of Georgia), Eric M. White (USFS, Pacific Northwest Research Station), and Gary T. Green (University of Georgia)</p>
2:25 – 2:50	<p>Comparing types of recreation in rural Kansas Ryan Sharp, Rachel Shively (Kansas State University), Sarah Jackson (University of Maine), Joseph Ward, and Jessy Wilkes (Kansas State University)</p>
2:50 – 3:15	<p>Promoting Mental Health and Social Connections through Physical Activity Programs: Benefits, Challenges, and Safe Implementation in Rural Communities Jared Jones, Jason Bocarro, and Aaron Hipp (North Carolina State University)</p>
3:15 – 3:40	<p>Resident Perceptions of the Atlanta BeltLine Westside Trail Extension Christopher Silcox and Gary Green (University of Georgia)</p>

2:00 – 3:40	SESSION #4.2: Place Attachment Room: Arcade South East (Moderator: Matt Brownlee)
2:00 – 2:25	Place Attachment to Salt Marsh Environments Sophie Conerly and Matt Brownlee (Clemson University)
2:25 – 2:50	Virtual visitors' motivation and place attachment to national parks: A structural equation modeling approach Jieun Song and Michael Schuett (Texas A&M University)
2:50 – 3:15	Thinking big: Sense of place and its spatial scale among hikers on the Appalachian Trail Ernesto Viveiros-de-Castro, Taylor Stein, Angelica Almeyda-Zambrano (University of Florida)
3:15 – 3:40	Determinants of tourism support: a cognitive appraisal theory perspective Ian Munanura, Mark Needham, Kreg Lindberg (Oregon State University), Chad Kooistra (Colorado State University), and Ladan Ghahramani (Travel Oregon)
3:40-4:00 PM	Break
4:00-5:15 PM	SESSION #5.1: Citizen Science Room: Arcade North West (Moderator: Lincoln Larson)
4:00 - 4:25	Exploring Americans' Relationship with Science: Can citizen science engagement strengthen connections between science and society? Brooklynn Joyner, Lincoln Larson, and Caren Cooper (North Carolina State University)
4:25 – 4:50	Incorporating Citizen Science in the University Classroom – Building Interest and Efficacy for Science and the Environment Haley Smith, Bradley Allf, Lincoln Larson (North Carolina State University), Sara Futch (Southwick Associates), Lisa Lundgren (Utah State University), Lara Pacifici, and Caren Cooper (North Carolina State University)
4:50 – 5:15	Drivers of Citizen Science Engagement in State Wildlife Agencies Amanda Van Buskirk, Gino D'Angelo, Bynum Boley (University of Georgia), Charlie Killmaster, and Tina Johannsen (Georgia Department of Natural Resources)
4:00-5:15 PM	SESSION #5.2: Marine Recreation Room: Arcade South East (Moderator: Taylor Stein)
4:00 - 4:25	Advancements in Visual-Based Methods: Identifying Social Carrying Capacity of Oyster Farming in South Carolina Using VR and 360° Imagery Tyler Cribbs, Jeff Hallo, William Norman, Lauren Duffy (Clemson University)
4:25 – 4:50	i-COAST: Inclusion through Convergence of Ocean and Social Technology Gabrielle Hillis, Taylor Stein (University of Florida), Robert Burns, Ross Andrew, Lindsey Hartzell (West Virginia University)
4:50 – 5:15	Using Remote Methods to Evaluate Aquatic Protected Area Use and Economic Valuation: A case study in the Florida Keys Ross Andrew, Robert Burns, Kathryn Gazal (West Virginia University), and Danielle Schwarzmann (NOAA Office of National Marine Sanctuaries)

5:30 – 7:30 **SESSION #5: POSTER SESSION & HAPPY HOUR**
Room: Arcade Pre-Function

7:30 - **Networking and dinner on your own**

Tuesday, March 22nd, 2022

8:00 – 9:00 AM **Breakfast provided at the hotel in Arcade Pre-Function**

9:00 – 10:40 **SESSION #6.1: Climate Change & Recreation and Cultural Resource Management**
Room: Arcade North West (Moderator: Bynum Boley)

9:00 – 9:25 **The therapeutic properties of dogs, nature, and dogs in nature**
Justin Harmon (University of North Carolina Greensboro)

9:25 – 9:50 **Negotiating Constraints: Female Mountain Bikers Perspectives** Katherine Uva, Erik Rabinowitz, Melissa Weddell (Appalachian State University)

9:50 – 10:15 **Resilient Conservation: Evaluating the Adaptive Conservation Easement**
Andrew Waters, Charles Chancellor (Clemson University)

10:15 -10: 40 **Thrilled to be Scared: Measuring emotions in fright tourism and haunted attraction advertising**
Susan Weidmann (Appalachian State University)

9:25 – 10:10 **SESSION #6.2: Environmental and Recreation Issues in Campus Contexts**
Room: Arcade South East (Moderator: Rob Porter)

9:00 – 9:25 **Participation in outdoor and nature-based recreation before and during the COVID-19 pandemic supports psychological health and well-being**
Justin Beall, Lincoln Larson (North Carolina State University), Brent Jackson (Florida Gulf Coast University), William Casola, Nils Peterson, Kathryn T. Stevenson, and Erin Seekamp (North Carolina State University)

9:25 – 9:50 **Changes in Urban Park Use During the COVID-19 Pandemic Raise Concerns about Equity and Environmental Justice** Lincoln Larson, Zhenzhen Zhang, Jae In Oh, Will Beam (North Carolina State University), S. Scott Ogletree (University of Edinburgh), Jason Bocarro, Kangjae Jerry, Jonathan Casper, Kathryn Stevenson, J. Aaron Hipp (North Carolina State University), Matt Carusona (NC Recreation & Park Association), and Michelle Wells (NC Recreation & Park Association)

9:50 – 10:15 **Beach Bench Popup Groups formed during COVID-19** Gregor Kay (Jacksonville State University) and Rob Porter (Western Illinois University)

Poster Presentations & Happy Hour
Monday, 5:30-7:00pm, Arcade Pre-Function

- 1. FWC Wildlife Management Area Visitor Study**
Lauren Bonich, Taylor Stein, & Tony Fedler (University of Florida)
- 2. Economic Impacts of a State Recreation Conference** Michael Bradley (Arkansas Tech University), James Maples (Eastern Kentucky University), Cathi McMahan (Arkansas Tech University), & Curtis Clemens (Gallaudet University)
- 3. Economic Benefits of Trail Visitors to Kentucky's Sheltowee Trace Trail Towns** Michael Bradley (Arkansas Tech University), James Maples (Eastern Kentucky University), & Curtis Clemens (Gallaudet University)
- 4. Levels of Place Attachment to Arkansas Tech University**
Michael Bradley, Jay Post (Arkansas Tech University), & Curtis Clemens (Gallaudet University)
- 5. Northern Gulf of Mexico Landowner Risk Perceptions Based On Hurricane Scenarios**
Annamarie Brown & Wayde Morse (Auburn University)
- 6. The Limestone Ceiling: Overcoming Socioeconomic Challenges in the Rock-Climbing Community**
Bobby Brown & Dr. Brian Clark (Eastern Kentucky University)
- 7. The Benefits of Recreation Therapy for Athletes Who Are Suffering From Depression And Anxiety**
Krojohn Calbert, Dr. Brian Clark, & Elizabeth Harden (Eastern Kentucky University)
- 8. Seeing Stars: The Recreational Opportunity Implications from Losing the Night Sky In & Around Daniel Boone National Forest** Anthony Chapman & Brian Clark (Eastern Kentucky University)
- 9. The Impacts of Therapeutic Recreation Services In Communities For Individuals With Intellectual And Developmental Disabilities** Kenna Childress, Brian Clark, and Miranda Miller (Eastern Kentucky University)
- 10. Assessment of the Potential Efficacy Improvements of the Implementation of Data Envelopment Analysis in Recreation and Park Planning for the Prioritization of Future Facility Projects**
Katharina Deutsch, Aaron Hipp, & Yu-Fai Leung (North Carolina State University)
- 11. Understanding the Impact of Farm-to-School Professional Development on Educators Capacity to Implement Outdoor Education Opportunities**
Elisabeth 'Charlie' Evans, Gary Green, & Jennifer Thompson (University of Georgia)
- 12. Increasing Nature-Based Tourism in Eastern Kentucky** Emmalee Floyd, Brian Clark, & Alexandra Miller (Eastern Kentucky University)
- 13. An Examination of College Students Perceptions of Environmental Concern and Connectedness to Nature Through the Lens of COVID Compliance**
Eric Frauman, Kaitlyn Sorensen, and Brianne Morris (Appalachian State University)

- 14. The Accessibility of Adaptive Recreation in Kentucky**
Miranda Gay, Brian Clark, & Christy Cole (Eastern Kentucky University)
- 15. Exploring the Diversity of Users on a Long –Distance Trail**
Maya Gonzalez, Taylor Stein, TaylorHenley, Victoria Caldwell & Hope Barlow
(University of Florida)
- 16. New National Survey of Recreation and the Environment – Alabama Pilot Survey**
Caitlin “Clay” Groetsch & Wayde Morse (Auburn University)
- 17. Developing a comparability matrix for parks and protected area managers engaging in visitor estimation efforts**
Tristan Jilson, Matthew T.J. Brownlee, & Dani T. Dagan (Clemson University)
- 18. Social Media and Innovative Technology Increasing Accessibility in the Great Outdoors**
Winter Katterhenry, Taylor Stein, Lauren Bonich, Gabrielle Hillis, & Leah Glynn (University of Florida)
- 19. The Growing Relationship of Recreation and Conservation: The Need for Balance**
Zach Lemmon & Brian Clark (Eastern Kentucky University)
- 20. Economic Impact of Rock Climbers Visiting Bishop, California**
James Maples (Eastern Kentucky University) & Michael Bradley (Arkansas Technical University)
- 21. Keeping Boats Afloat: Evaluating Sustainable Livelihoods in Bocas del Toro’s Wildlife Tourism Industry**
Brodie McPherson (Bentley University), Leon Mach (School for Field Studies), Sophie Stein (Bates College), & Finlay Adamson (Hamilton College)
- 22. Hidden Parks: The Untapped Potential of School Playgrounds**
Mitchell Miller & Brian Clark (Eastern Kentucky University)
- 23. Factors Effecting Visitor Access and Use of Urban Parks**
Mitchell Miller (Eastern Kentucky University), Michael Bradley (Arkansas Tech University), & Brian Clark (Eastern Kentucky University)
- 24. The Benefits of Horticulture Therapy**
Ariell Monroe & Brian Clark (Eastern Kentucky University)
- 25. Fandom Leisure engagement; an exploratory study of Convention attendance and activity participation patterns 2019-2021**
Julie Morris Chambers, Kim Beason, & Kofan Lee (University of Mississippi)
- 26. Fad or Renaissance? A study on Pisgah/Nantahala Recreation Trends**
Chase Perren), Bynum Boley, and Gary T. Green (University of Georgia)
- 27. Too old for the outdoors? Think again! A comprehensive look at recreation participation and impacts among senior adults**
Lauren Seaman & Brian Clark (Eastern Kentucky University)
- 28. Investigating Resident Attitudes on the Atlanta Beltline Westside Trail Extension (WTX)**
Nathan Tesfayi, Gary Green, & Chris Silcox (University of Georgia)

29. An initial examination of the potential for place attachment and social cohesion to influence risk perceptions and recovery decisions in coastal communities

Jaelle van de Velde, Whitney Knollenberg, Erin Seekamp, Bethany Cutts, & Virginia Patterson (North Carolina State University)

30. Examining Leisure Engagement Preferences Over A Century

Alexis Addington, Brian Clark (Eastern Kentucky University), & Michael Bradley (Arkansas Tech University)

31. Comparing Effects of Covid-19 on Visitor Place Attachment to State Parks in Arkansas

Glendon VanSandt, Michael Bradley (Arkansas Tech University), & Kevin Fink (University of Central Oklahoma)

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The 44th SERR Conference Organizing Committee

Bynum Boley (UGA), Michael Bradley (ATU)- Co-Chairs

Jamie Thorn (LWC), Erik Rabinowitz (Ap State), Rob Porter (WI), Taylor Stein (UF),
Wayde Morse (AU), and Allie McCreary (WKU)