



The National Environment and Recreation Research Association

*Celebrating 32 Years of the
National Environment and Recreation
Research Symposium (NERR)*

**Annapolis, MD
April 3 – 5, 2022**

**Schedule of Presentations
and Events**

ACKNOWLEDGEMENTS

Committees and Other Efforts

- *NERR 2022 Program*: Joy Damon (SUNY College of Environmental Science and Forestry)
- *Scholarship Committee*: Hung-Ling (Stella) Liu (South Dakota State University), Chair; Curtis Clemens (Gallaudet University), Michael Ferguson (University of New Hampshire), Dave Klenosky (Purdue University), & I-Chun (Nicky) Wu (Illinois State University)
- *Social Networking*: Julianne Reas (North Carolina State University) & Hannah Mazeski (North Carolina State University)
- *Fund-raising & Raffle*: Sharon Todd (SUNY Cortland) & Kelly Bricker (Arizona State University)
- *Marketing & Promotion*: Kelly Bricker (Arizona State University) & Michael Ferguson (University of New Hampshire)
- *Hospitality Suite Host*: Clifton Watts (East Carolina University)
- *Social Media*: John Confer (California University of Pennsylvania)
- *International*: Bob Du Lee (Bowling Green State University) & Arne Arnberger (University of Natural Resources and Life Sciences Austria)
- *Website*: Diane Kuehn (SUNY College of Environmental Science and Forestry) & Clifton Watts (East Carolina University)

Special Thanks!

- *NERR 2020 Conference Chair*: Chuck Nelson (retired)
Thank you so much for all the work you put into planning our 2020 conference!

2022 NERR SCHOLARSHIP RECIPIENTS

The NERR Scholarship Committee is pleased to announce the following 2022 NERR scholarship recipients:

- Claudia Gil Arroyo (North Carolina State)
- Akosua P. Asabere (SUNY ESF)
- Kiley Foss (South Dakota State University)
- Peter Whitney (University of Montana)
- Evan L. Salcido (University of Illinois at Urbana-Champaign)
- Emily Smith (North Carolina State University)
- Megan Thompson (South Dakota State University)

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NERR 2022 SPONSORS

- ❖ National Park Service (NERR student scholarships)
- ❖ Sagamore-Venture Publishing
- ❖ George Mason University (Technology)
- ❖ Department of Sustainable Resources Management, SUNY College of Environmental Science and Forestry (NERR Graduate Student Assistant)

PRESENTATION ABSTRACT REVIEWERS

Jim Absher (USDA Forest Service), Carla Barbieri (NC State University), Kelly Bricker (Arizona State University), John Confer (California University of Pennsylvania), Alan Graefe (Pennsylvania State University), Andy Holdnak (University of West Florida), Hung-Ling (Stella) Liu (South Dakota State University), Ellen Drogin Rodgers (George Mason University), Sharon Todd (SUNY Cortland), Philip Wang (Kent State University), Clifton Watts (East Carolina University), I-Chun (Nicky) Wu (Illinois State University), & Diane Kuehn (SUNY College of Environmental Science and Forestry)

HISTORY OF NERR

The first Northeastern Recreation Research Symposium (NERR) was held April 2 - 4, 1989 at the New York State Park Management Institute in Saratoga Springs State Park, where 75 participants enjoyed the hospitality of the iconic and historic Gideon Putnam Hotel. The original idea was born two years earlier in the reception buffet line at the first International Symposium on Society and Resource Management (ISSRM) in Corvallis, Oregon. Hungry and thirsty friends and colleagues, Tom More, Jerry Vaske, Maureen Donnelly and Alan Graefe, who were familiar with the Southeast Recreation Research Symposium and other regional meetings, discussed the need for a suitable annual conference for recreation researchers in the northeast United States. NERR was the result of that discussion.

That first successful meeting has been sustained through annual meetings in several locations. In 1996, the symposium moved to the Sagamore Resort in Bolton Landing on the shore of Lake George, New York. In 2012, the symposium moved to the historic Otesaga Hotel in Cooperstown, New York, after the Sagamore could no longer accommodate the conference due to a major renovation project. NERR was held at the Otesaga for three years before moving to Annapolis, Maryland, when an opportunity arose to partner with the Society of Outdoor Recreation Professionals to hold a joint conference in 2015. Annapolis provided more convenient access for the increasing number of national and international attendees. This accessibility, combined with the warm reception we received from the Loews Hotel (now Graduate Hotel Annapolis), led to the decision to stay in Annapolis since 2016.

NERR typically attracts between 120-150 participants. Reflecting the mission of the symposium, the attendees have been mostly academics and recreation resource management professionals from state and federal agencies and non-governmental organizations. From the beginning, NERR has welcomed students, many of whom made their first research presentations at this meeting, and later returned as professors bringing their own students, creating a second generation of committed participants. Until recently, the symposium was managed by an informal “steering committee” and operated under the auspices of several universities, originally SUNY-ESF in Syracuse and then Penn State.

In 2017 the National Environment and Recreation Research Association (NERRA) was formed to manage the conference in alignment with the mission to:

- foster an interdisciplinary scientific understanding of the relationships between humans and the natural environment in outdoor recreation and tourism related contexts;
- further the application of social science information in natural resource decision-making; and
- provide a mechanism whereby social scientists, students, resources managers, practitioners, agency personnel and decisions makers dialogue and exchange information and knowledge.

The annual gathering name was changed to the National Environment and Recreation Research Symposium to reflect the broader geographic and topical focus of the meeting, but the NERR acronym was maintained in homage to the tradition that is NERR. We now welcome you to the 2022 NERR Symposium and thank you for helping to continue and expand the reach of this historic tradition and event.

DAY 1 - SUNDAY, APRIL 3, 2022

10:00 a.m. – 5:30 p.m. Registration Atrium

1:00 – 1:20 p.m. Welcome and Opening Remarks Atrium
NERR 2022 Chair, Diane Kuehn, SUNY ESF

SESSION I (Sunday, 1:30 – 3:00 p.m.)

1:30 – 3:00 p.m. Session I-A: Community Sustainability and Partnerships Ballroom A

Facilitator: Carla Barbieri (North Carolina State University)

- ❖ *The Influence of Location on Water Quality Perceptions across a Geographic and Socioeconomic Gradient in Appalachia.*
Ross G. Andrew, Robert C. Burns, & Mary E. Allen (West Virginia University)
- ❖ *Freeways and Farms: Emma Prusch & Taylor Street Urban Farms Study.*
Joshua Baur & Ashley Estrada (San Jose State University)
- ❖ *Navigating Urban Complexity to Identify Strategic Areas for Park Partnerships.*
Ellie Schiappa & Elizabeth E. Perry (Michigan State University), Christopher A. Zajchowski (Old Dominion University), & Jessica P. Fefer (Kansas State University)

1:30 – 3:00 p.m. Session I-B: Resident's Perspectives Ballroom B

Facilitator: Gerard Kyle (Texas A&M University)

- ❖ *Building the Perfect Wave: Local Attitudes towards a Surf Park in Virginia Beach.*
Lindsay Usher (Old Dominion University)
- ❖ *A Cognitive Hierarchy Approach to Understanding Attitudes towards Homelessness in Public Parks.*
Nick Pitas (SUNY Brockport), Lauren Mullenbach (University of Oklahoma), & Ben Hickerson (University of North Carolina Greensboro)
- ❖ *Community Perceptions of Adaptive Capacity: Scale Development & Application along the Texas Gulf Coast.*
Daniel G. Pilgreen, Gerard T. Kyle, Ashley Ross & Richard Woodward (Texas A&M University)

1:30 – 3:00 p.m. Session I-C: Wilderness Management Ballroom C

Facilitator: Diane Kuehn (SUNY ESF)

- ❖ *Unconfined Recreation in BLM Wilderness.*
C. Griffin (Grand Valley State University)
- ❖ *Barriers and Constraints to Wilderness Recreation: A Scoping Review of Existing Literature.*
Elena Thomas & William L. Rice (University of Montana), Christopher A. Armatas (USDA Forest Service), Jennifer M. Thomsen (University of Montana), & Jaclyn R. Rushing (University of Montana)

3:00 – 3:30 p.m. Afternoon Break Atrium

SESSION II (Sunday, 3:30 – 5:00 p.m.)

3:30 – 5:00 p.m.

Session II-A: Culinary and Farm-based Tourism

Ballroom A

Facilitator: Carla Barbieri (North Carolina State University)

- ❖ *Will They Come for the Pisco? Craft Beverage Tourism's Influence in Destination Image.*
Claudia Gil Arroyo, Carla Barbieri, & Whitney Knollenberg (North Carolina State University)
- ❖ *Clustering a Nexus to Regional Development: A Study of the Appalachian Region.*
Adebisi Oluwatoyin, Dee Singh-Knights, Michael Dougherty, Jinyang Deng, & Michael Strager
(West Virginia University)

3:30 – 5:00 p.m.

Session II-B: Satisfaction and Quality of Life

Ballroom B

Facilitator: Sharon Todd (SUNY Cortland)

- ❖ *The Effect of Leisure Participation on Leisure Satisfaction and Life Satisfaction: A Test of Three-way Interaction.*
KangJae “Jerry” Lee (North Carolina State University), Jin Young Joo (Ewha Womans University), Jee In Yoon (Kyung Hee University), & Sunhwan Hwang (University of Seoul)
- ❖ *Workplace Boredom and its Relationship to Life Satisfaction.*
Joohyun Lee (Eastern Mennonite University) & Zack Wetzel (Tallahassee-Leon County GIS)
- ❖ *Quality of Life: The Case of Urban Park Visitors in Four Asian Cities.*
Chieh-Lu Li (National Dong Hwa University, Taiwan), Erwei Dong (Arizona State University), Bin Zhou, (Ningbo University, China), & Zi-Ping Wu (National Dong Hwa University, Taiwan)

3:30 – 5:00 p.m.

Session II-C: Leisure Constraints & Motivations

Ballroom C

Facilitator: I-Chun (Nicky) Wu (Illinois State University)

- ❖ *Risk Perceptions and Leisure Constraints for Urban and Urban-proximate Park Visitation Prior to and During the COVID-19 Pandemic.*
Michael Wilcox & Chris Zajchowski (Old Dominion University), Jessica Fefer & Ryan Sharp (Kansas State University), Bess Perry (Michigan State University), & Matthew T.J. Brownlee (Clemson University)
- ❖ *Where's the Crux? Rock Climbing Constraints at Harpers Ferry National Historic Park.*
Michala Hendrick & Chris Zajchowski (Old Dominion University), Ryan Sharp (Kansas State University), Eddie Hill & Chandler Berry (Old Dominion University), & James Maples (Eastern Kentucky University)
- ❖ *Motivations and Barriers for Landowner Wildlife Conservation and Management.*
Luke Macaulay, Jonathan Kays, & William Hubbard (University of Maryland Extension)

- ❖ *Nurturing Local Food Systems through Agritourism: Educational and Marketing Perspectives.*
Sara Brune, Carla Barbieri, Whitney Knollenberg, Kathryn T. Stevenson, & Caitlin Reilly (North Carolina State University)
- ❖ *The Influence of Visitors' Perceptions of Trail Risk and Difficulty on Registry Sign-ins in the Catskill Park.*
Matthew Borovy, Diane Kuehn, & Joy Damon (SUNY ESF)
- ❖ *Urban Park Agency Leaders' Perspectives on Systemic Racism and Efforts to Advance Racial Equity in Parks and Recreation*
Heather Carlson, Samantha L. Powers, Nicole Webster, Jennifer Agans, Alan Graefe, & Andrew J. Mowen (Pennsylvania State University)
- ❖ *Economic Strategies and Implications in Community-based Tourism Development: The Case of Penglipuran Village, Indonesia.*
Astri Briliyanti & Gail Vander Stoep (Michigan State University)
- ❖ *Identifying Commonalities in Pricing as a Strategy to Manage Overtourism and Park Visitation and Promote Equitable Access.*
Emily Smith, Whitney Knollenberg & Ann Savage (NC State Department of Parks, Recreation, and Tourism Management), Po-Ju Chen & Jihee Kim (NC Central University Department of Hospitality and Tourism Administration), KangJae "Jerry" Lee (NC State Department of Parks, Recreation, and Tourism Management), Stacy Supak (NC State Center of Geospatial Analytics), & Erin Seekamp (NC State Department of Parks, Recreation, and Tourism Management)
- ❖ *Adapting to Climate Change: Perspectives of the New York Wine-making Industry.*
Akosua Pomaa Asabere & Diane Kuehn (SUNY ESF)
- ❖ *An Exploratory Study of Heritage Conservation and Interpretation Practices by Indonesian Key Heritage Actors in Two Communities of Differing Heritage Characteristics.*
Teguh Amor Patria (University of Bina Nusantara, Jakarta, Indonesia), Gail A. Vander Stoep (Michigan State University), & Kimberly Chung (Michigan State University)
- ❖ *Assessing the Impacts of COVID-19 on Undergraduate Internship Learning Outcomes.*
Arie Oosterom, John Paskus, Crystal L. Eustice, Dan McCole, & Charles M. Nelson (Michigan State University)
- ❖ *What Students Say about Science: A Qualitative Assessment of Science Relevancy in Adventure STEM Education.*
Alice Morgan, Dave Smaldone, Steve Selin, & Jinyang Deng (West Virginia University)
- ❖ *A Service Quality Based Segmentation Study of U-pick Farm Visitors.*
Ya-Ling Chen & Nick Pitas (State University of New York at Brockport)
- ❖ *The Impacts of Tourism in Tropical Coastal Communities: A Bocas del Toro, Panama Case Study.*
Laura Bruce (University of the Ozarks)

DAY 2 - MONDAY, APRIL 4, 2022

7:00 a.m. – 8:00 a.m.

Breakfast

Atrium

7:00 a.m. – 5:30 p.m.

Registration

Atrium

SESSION III (Monday, 8:00 – 9:30 a.m.)

8:00 – 9:30 a.m.

Session III-A: Policies, Partnerships, & Administration

Ballroom A

Facilitator: Hung-Ling (Stella) Liu (South Dakota State University)

- ❖ *U.S. National Park Service Concessions Policy Analysis: A Case Study of Grand Teton National Park.*
N. Qwynne Lackey (SUNY Cortland), Nick Pitas (SUNY Brockport), & Chris Zajchowski (Old Dominion University)
- ❖ *An Examination of the Factors Used to Justify Forest Service Campground Fee Changes.*
Dan McCole, Tatiana Iretskaia, Elizabeth Perry, & Arie Oosterom (Michigan State University)
- ❖ *Internal Collaborations for External Relevance within the National Park Service's Urban Presence.*
Elizabeth E. Perry (Michigan State University), Clare Ginger, Jennifer Jewiss, Daniel Krymkowski, & Robert Manning (University of Vermont)
- ❖ *Serving Our Community: Public Parks and Recreation Providers' Challenges and Priorities in South Dakota.*
Megan Thompson & Hung-Ling (Stella) Liu (South Dakota State University)

8:00 – 9:30 a.m.

Session III-B: Visitor Use Trends & Data Management

Ballroom B

Facilitator: Bob Du Lee (Bowling Green State University)

- ❖ *Developments in Big Data for Park Management: A Scoping Literature Review of Mobile Phone Location Data Estimating Visitor Use in Parks and Protected Areas.*
Peter Whitney, William L. Rice, Jeremy Sage, Jennifer M. Thomsen, Iree Wheeler, Jaclyn R. Rushing, Wayne Freimund, Elena Bigart, & Douglas Dalenberg (University of Montana)
- ❖ *Trends in US Forest Visitation and the Effects of COVID-19.*
Sarah Cline & Don English (US Forest Service)
- ❖ *Assessing Trends in Visitor Experience on National Forests through Importance Performance Analysis.*
Ashley E. Askew (University of Georgia), Eric M. White (USDA Forest Service), & G.T. Green (University of Georgia)
- ❖ *Using Mobile Device Data to Document Use in Two Urban-Proximate National Parks.*
Cait Henry, Jessica Fefer & Brian Peterson (Kansas State University), Caleb Scruggs & Chris Zajchowski (Old Dominion University), & Julianna Rogowski (Kansas State University)

8:00 – 9:30 a.m.

Session III-C: Roundtable I

Ballroom C

Facilitators: Christina T. Cavaliere (Colorado State University) and Kelly Bricker (Arizona State University)

❖ *Exploring the Development of Sustainable Tourism Civic Reporting Indicators for Biocultural Conservation.*

Christina T. Cavaliere (Colorado State University), Jonathon Day (Purdue University), Kelly Bricker (Arizona State University), & Julia Branstrator (Colorado State University)

The research team will conduct a roundtable discussion that addresses general perceptions and uses of the GSTC criteria from multiple stakeholder perspectives. It is our intention to make this roundtable interactive and accessible by various tourism stakeholders and representatives. We seek to have input and to learn from the participants about ways they envision the integration of the Civic Reporting Indicators to benefit their own tourism destination management approach. The researchers will facilitate breakout groups that will be invited to offer their perspectives from various roles that they represent in their home destinations. We strive to understand the roundtable participants' experiences with the GSTC criteria and how this can inform the use of civic engagement through observations from visitors. The authors purpose the roundtable discussions will further our understanding of the GSTC-Destination criteria including A: Sustainable management B: Socio-economic sustainability C: Cultural sustainability D: Environmental sustainability. Participants will also be asked to share their experience with Information Communication Technologies (ICTs) (e.g. smart platforms; social media; reviews, etc.) and how those experiences may have changed during the COVID period. We aim to share the groups accomplishments and/or challenges with making their sustainability efforts transparent to visitors in destinations. The specific interest of the research team is to garner information from participants about how destination management could better utilize civic reporting as smart data for biocultural conservation and achieving sustainability goals through tourism.

9:30 – 10:00 a.m.

Mid-morning Break

Atrium

SESSION IV (Monday, 10:00 – 11:30 a.m.)

10:00 – 11:30 a.m.

Session IV-A: Leisure Marketing & Management

Ballroom A

Facilitator: Philip Wang (Kent State University)

- ❖ *Attendance at Minor League Baseball: Amenities and Promotions across the Ages.*
Susan Williams, Angeliqe Edwards, Roy Ramthun, & Susan Robinette (Concord University)
- ❖ *Differentiating and Comparing Immigrants' Travel Stress Perception by Acculturation Strategies.*
Ami Choi & Ingrid E. Schneider (University of Minnesota)
- ❖ *Just Do It: A Philosophical Justification and a Commercial Connotation for Leisure.*
Philip Wang (Kent State University)

10:00 – 11:30 a.m.

Session IV-B: Values, Attitudes, and Behaviors

Ballroom B

Facilitator: Bob Du Lee (Bowling Green State University)

- ❖ *The Mediating Effect of Place Attachment in the Relationship between Environmental Attitude and Behavior.*

Jee In Yoon (Kyung Hee University), KangJae “Jerry” Lee (North Carolina State University), & Lincoln Larson (North Carolina State University)

- ❖ *Examining Social Values of Subsistence Users and Non-users around Denali National Park and Preserve.*

Evan L. Salcido, Carena J. van Riper, William Stewart (University of Illinois at Urbana-Champaign), & Christopher Raymond (University of Helsinki, Finland, Swedish University of Agricultural Sciences, Sweden)

- ❖ *Exploring the Connection Between Leave No Trace Involvement and Generalized Pro-environmental Behavior.*

Timothy J. Mateer & Theresa N. Melton (The Pennsylvania State University), Zachary D. Miller (National Park Service), Ben Lawhon (Leave No Trace Center for Outdoor Ethics), & Jennifer P. Agans & B. Derrick Taff (The Pennsylvania State University)

10:00 – 11:30 a.m.

Session IV-C: Roundtable II

Ballroom C

Facilitator: Yu-Fai Leung (IUCN World Commission on Protected Areas, North Carolina State University)

- ❖ *Strengthening Sustainable Tourism’s Role in Biodiversity Conservation and Community Resilience: A Motion for the Future.*

Kelly Bricker (IUCN World Commission on Protected Areas, Arizona State University) Yu-Fai Leung (IUCN World Commission on Protected Areas, North Carolina State University), Shane Feyers (University of Florida), & Anna Spenceley (IUCN World Commission on Protected Areas)

On September 2, 2021, an urgent motion, entitled ***Strengthening Sustainable Tourism’s Role in Biodiversity Conservation and Community Resilience***, was approved at the 2021 IUCN World Conservation Congress in Marseille, thanks to a host of partners and supporters. This motion brings together dozens of organizations with global reach and local impact to facilitate more equitable benefit sharing and access to natural heritage experiences for local communities, more private sector partnerships and funding for conservation development in protected areas and beyond, and a stronger support system within IUCN to help this industry achieve its maximum potential as a tool for biodiversity conservation and human welfare. In this roundtable discussion, we present and facilitate discussion around the critical components of the motion and the initiatives that have come forward as a result, as well as discuss the importance of this process for the future of nature-based tourism as a tool for conservation and community development. We also work with the audience to develop future initiatives important to this initiative.

12:00 – 1:15 p.m. (Monday)

LUNCH AND KEYNOTE ADDRESS

Atrium



Photo courtesy of Michael Estrada.

Towards a More Just and Equitable Outdoors for All

Keynote Speaker: José G. González, Founder, Director Emeritus, Latino Outdoors; Partner, Avarna Group

José G. González is the Founder and Director Emeritus of Latino Outdoors. He is a professional educator with training in the fields of education and conservation while engaging in different artistic endeavors with art and messaging—often exploring the intersection of the environment and culture. As a Partner in the Avarna Group and through his own consulting, his work focuses on Equity & Inclusion frameworks and practices in the environmental, outdoor, and conservation fields. He is also an illustrator and science communicator.

He received his B.A. at the University of California, Davis, and his M.S. at the University of Michigan School of Natural Resources & Environment. His teaching coursework was at the Bilingual, Multicultural, Education Department at Sacramento State.

He serves as a Trustee for the National Outdoor Leadership School, a Trustee for the National Recreation Foundation, Resource Media Board Director, Nuestra Tierra Conservation Project Board Director, Councilor for Save the Redwoods League, and as an advisor to Blue Sky Funders Forum, among other such leadership volunteer roles. You can connect with him on social media @JoseBilingue. Puns welcomed.

1:15 – 1:45 p.m.

SILENT AUCTION

Atrium

Kelly Bricker and Sharon Todd

SESSION V (Monday, 2:00 – 3:30 p.m.)

2:00 – 3:30 p.m.

Session V-A: Youth Education & Programs

Ballroom A

Facilitator: Hung-Ling (Stella) Liu (South Dakota State University)

- ❖ *Nature or the Outdoors? Understanding the Power of Language in Elementary School Students' Self-reported Connection to Nature.*
Julianne Reas, Lauren Gibson, Justin Beall, Kathryn T. Stevenson, & Lincoln R. Larson (North Carolina State University)
- ❖ *Fuels and Fun: The Intersection of Energy Development and Outdoor Recreation in the US.*
Doug Bessette & Elizabeth Perry (Michigan State University)
- ❖ *Childhood Experiences with Nature as a Basis of Connection to Nature, Environmental Values, and Pro-environmental Behavior.*
Seunguk Shin & Carena J. van Riper (The University of Illinois at Urbana-Champaign)
- ❖ *Promoting Outdoor Recreation through a Youth-focused Program in State Parks.*
Kiley Foss & Hung-Ling (Stella) Liu (South Dakota State University)

2:00 – 3:30 p.m. Session V-B: Diversity & Equity in Outdoor Recreation Ballroom B

Facilitator: John Confer (California University of PA)

- ❖ *How Perceptions of Diversity in Outdoor Recreation Vary by Race and Socioeconomic Status.*
Lisa Meerts-Brandsma (Weber State University), Jeff Rose (University of Utah), & N. Qwynne Lackey (SUNY Cortland)
- ❖ *Identifying Equitable Management Practices that Support Belonging and Positive Interracial Contact in Urban Parks.*
Samantha L. Powers, Nicole Webster, Jennifer Agans, Alan Graefe, & Andrew J. Mowen (The Pennsylvania State University)
- ❖ *Promoting Diversity, Equity, and Inclusion through Adapted Sports and Virtual Reality (VR).*
I-Chun (Nicky) Wu, Sherri Hildebrand, & Yun Chang (Illinois State University)
- ❖ *Assessing Native Issues of Culture and Justice in the National Parks & Other Federally Protected Areas.*
John & Clarissa Confer (California University of PA)

2:00 – 3:30 p.m. Session V-C: Roundtable III Ballroom C

Facilitator: Wayne Morse (Auburn University)

- ❖ *Coordinating and Standardizing Outdoor Recreation Supply and Demand Databases to Facilitate Management and Promote Conservation, Health, and Accessibility.*
Wayne Morse (Auburn University), Lee Cervený & Dale Blahna, retired (USDA Forest Service, Pacific Northwest Research Station), Bob Ratcliffe (National Park Service), & Randy Rosenberger (Oregon State University)

Well-documented disparities in equity in access to nature and outdoor recreation opportunities have become a focal point of research and public recreation strategy. Detailed information on the social and ecological context of where the supply of recreation opportunities exists, who has access to those settings, and local demand for participation by diverse publics is essential. The roundtable will begin with a panelist overview of equity issues, decision support data needs, and current strategies to address equity. Demand assessments independently conducted by federal and state government agencies, industry associations, and universities are rarely comparable and largely inconsistent across scales and locations. In the second part of the roundtable, we outline a proposed publicly available National Recreation Demand Database (NRDD) built with standardized protocols and methodologies that could serve as a comprehensive inventory of recreation demand. The National Survey on Recreation and the Environment (NSRE) collected consistent public recreation demand data for state and national level analysis but was discontinued in 2014. We propose a revised and more holistic NSRE, a standardized baseline demand portion for all Statewide Outdoor Recreation Plans (SCORP), and integration with county-level demographic, health, and socioeconomic data. Break out groups will be formed for each component of the proposal (NRDD, NSRE, baseline SCORP, and county level databases) as a focus for discussion, critique, elaboration, and idea generation. Presentation and synthesis of group ideas will finalize the roundtable discussion.

Associated reference: Morse, W.C., Cervený, L.K., Blahna, D. (2022). Coordinating and standardizing outdoor recreation supply and demand databases to facilitate management and promote conservation, health, and accessibility. *Journal of Park and Recreation Administration*, 40(1), 175-194.

3:30 – 4:00 p.m. Afternoon Break Atrium

SESSION VI (Monday, 4:00 – 5:30 p.m.)

4:00 – 5:30 p.m. Session VI-A: Inclusivity & Equity in Outdoor Recreation Ballroom A

Facilitator: Ellen Rodgers (George Mason University)

- ❖ *Examining the Inclusivity of National Parks Facebook Posts.*
Hannah Marie Mazeski, Kathryn Stevenson, & Bethany Cutts (NC State University)
- ❖ *The Trouble with Campsite Reservations: Or, Finally Re-Addressing Equity in Campground Allocation Research.*
William L. Rice, Jaclyn R. Rushing, Jennifer M. Thomsen, & Peter Whitney (University of Montana)
- ❖ *The Role of Moral Philosophy in Shaping Distributive Justice of National Park Rec. Fees.*
Suiwen (Sharon) Zou & William Stewart (University of Illinois at Urbana-Champaign)
- ❖ *Missing Voices: A Systematic Literature Review of Local and Indigenous Input in Climate Adaptation Planning for Archeological Sites.*
Courtney Hotchkiss & Erin Seekamp (NC State University)

4:00 – 5:30 p.m. Session VI-B: Sustainability & Climate Change Ballroom B

Facilitator: David Graefe (Lock Haven University)

- ❖ *Sustainability in the Classroom: Assessing Sustainability Integration across Disciplines.*
Rick Gage (Marshall University) & David Graefe (Lock Haven University)
- ❖ *Assessment of Visitors' Perceptions of Ecosystem Health in Gray's Reef National Marine Sanctuary: An Offshore Marine Protected Area.*
Marieke J. Lemmen, Robert C. Burns, & Ross G. Andrew (West Virginia University)

4:00 – 5:30 p.m. Session VI-C: Roundtable IV Ballroom C

- ❖ *Facilitator:* Michael M. Scantlebury (Grand Valley State University)
- ❖ *A Role for Destination Management Organizations in Tourism Recovery Post Covid-19.*
Michael M. Scantlebury (Grand Valley State University)

What is the emerging role of Destination Management Organizations (DMO)? Pre-Covid-19, the DMO's role was to support/stimulate/lead tourism development, stimulate local employment, and generate revenue through visitor spending and foreign exchange earnings, while monitoring and responding to visitor satisfaction (World Tourism Organization, 2017). Has this role changed post Covid-19, and if so, how? Is the DMO's guiding principle still "A duty of care" to hosts and guests? Does its direct functional area of responsibility remain the same (i.e., the provision of timely, accurate and authoritative communication on the safety/security of the destination to persons and agencies in the marketplace, as well as providing input to the destination selection process and entry and quarantine requirements), or is it now the provision of support/advocacy for persons in the health care, diagnostic, and quarantine/vaccination services? Can it be agreed that the DMO's role is real and important? A summary of the input of NERR attendees will inform the final paper to be submitted for journal publication.

5:45 – 6:45 p.m.

NERRA General Business Meeting

Ballroom A

Alan Graefe - NERRA CEO

DINNER ON YOUR OWN

DAY 3 - TUESDAY, APRIL 5, 2022

7:00 a.m. – 8:00 a.m.

Breakfast

Atrium

7:00 a.m. – 12:00 p.m.

Registration

Atrium

SESSION VII (Tuesday, 8:00 – 9:30 a.m.)

8:00 – 9:30 a.m.

Session VII-A: Outdoor Recreation

Ballroom A

Facilitator: Alan R. Graefe (The Pennsylvania State University)

- ❖ *Land Management Implications of Day Hikers/Weekenders on the Pacific Crest Trail.*
Marni Goldenberg, Keri Schwab, Theo Leier, June Murray, Terra Bilhorn, & William W. Hendricks (California Polytechnic State University)
- ❖ *COVID-19 Related Stress Perception and Coping Processes for Outdoor Recreationists in Korea.*
Jiwon Yi (Kyung Hee University), Jee In Yoon (Kyung Hee University), & KangJae (Jerry) Lee (North Carolina State University)
- ❖ *Applying International Coastal Scenic Evaluation Protocol to the Great Lakes: Challenges and Lessons Learnt.*
Tatiana Iretskaia, John Paskus, Elizabeth E. Perry, & Daniel McCole (Michigan State University)
- ❖ *Confidence, Community, & Conservation: Exploring the Relationship between Self-efficacy and Experience in Female Hunters.*
Ada P. Smith, Elizabeth Covelli Metcalf, Holly K. Nesbitt, Hannah J. Leonard, Tina M. Cummins & Alexander L. Metcalf (University of Montana), & Alan R. Graefe (The Pennsylvania State University)

8:00 – 9:30 a.m. Session VII-B: Social Movements & Recreation Ballroom B

Facilitator: David Graefe (Lock Haven University of Pennsylvania)

- ❖ *Commonalities between the Outdoor Recreation Economy and Friluftsliv Social Movements—Opportunities for Cross-Cultural Learning.*
Steven Selin (West Virginia University) & Peter Fredman (Mid Sweden University)
- ❖ *Veblen's Leisure and the Demise of Capitalism: A Hermeneutic Explanation.*
Philip Wang (Kent State University)
- ❖ *The Need for Mental Health Programming in Community Recreation: A Comparison of Resident and Student Priorities in WV.*
David Graefe (Lock Haven University of Pennsylvania)

9:30 – 10:00 a.m. Morning Break (Presentations Conclude) Atrium

Please be sure to submit your NERR evaluation at the conference registration desk!

Park, Recreation, and Tourism Academic Leaders Workshop (Tuesday, 10:00 a.m. – 5:00 p.m.)

The Academic Leaders Workshop and Retreat brings together those in administrative positions or interested in topics that pertain to administration of parks, recreation, tourism, sport, therapeutic recreation, leisure departments or related schools. Together, we address current trends and challenges. It is open to those interested in tackling challenges and celebrating successes leading academic departments. We will gather on Tuesday, have dinner together Tuesday evening, and continue the program the first half of Wednesday. Please stay tuned for further developments and program information.

10:00 a.m. – 12:00 p.m. Meeting Carrick Room in Powerhouse

12:00 - 1:00 p.m. Group Off-Site Lunch (cost not included)

1:00 – 3:00 p.m. Meeting Carrick Room

3:00 – 3:30 p.m. Afternoon Break Carrick Room

3:30 – 5:00 p.m. Meeting Carrick Room

Evening Group Off-Site Dinner (cost not included)

Park, Recreation, and Tourism Academic Leaders Workshop (Wednesday, 9:00 a.m. – 12:00 p.m.)

8:00 a.m. – 9:00 a.m. Continental Breakfast Carrick Room

9:00 a.m. – 12:00 p.m. Meeting Carrick Room

NERR 2022 CONCLUDES (Wednesday, 12:00 p.m.)

Thanks for your participation. See you next year!