21st Annual
Northeastern Recreation Research Symposium

March 29, 30 and 31, 2009

The Sagamore
Bolton Landing, New York
Welcome!

Welcome to the 21st Annual Northeastern Recreation Research (NERR) Symposium. Once again, the 2009 NERR Steering Committee has done a superb job bringing together some of North America’s top researchers and practitioners for a truly dynamic event. The overarching theme of the NERR symposium has always been that of linking research and practice, and this year’s event continues to emphasize how that link can best be accomplished. As the cover photo on the program suggests, the “winds of change” are blowing stronger than ever. Our planet, our country, the recreation resource community, and the NERR Symposium itself all face major questions and challenges on a variety of fronts. It is our hope that the range of topics and sessions at this year’s meeting (several of which address key environmental and economic sustainability issues) will help all feel more informed and better prepared to share ideas and collaborate on solutions. We are glad you are here – enjoy the Symposium!

2009 NERR Steering Committee
- Arne Arnberger – University of BOKU, Vienna, Austria
- Kelly Bricker – University of Utah
- Robert Bristow – Westfield State College
- Robert Burns – West Virginia University
- Fred Clark – US Forest Service
- John Confer – California University of Pennsylvania
- Chad Dawson – SUNY College of Environmental Science & Forestry
- Edwin Gomez – Old Dominion University
- Alan Graefe – Penn State University
- Laurie Harmon – George Mason University
- Andrew Holdnak – University of West Florida
- Deborah Kerstetter – Penn State University
- David Klenosky – Purdue University (2009 Conference Chair)
- Diane Kuehn - SUNY College of Environmental Science & Forestry (Website Coordinator)
- Walter Kuentzel – University of Vermont
- Gerard Kyle – Texas A&M University
- Bob Lee – Bowling Green State University
- Joohyun Lee – Florida State University
- Bruce Lord – Penn State University
- Thomas More – US Forest Service – Northern Research Station
- James Murdy – NY Institute of Technology
- Chad Pierskalla – West Virginia University
- Roy Ramthun – Concord University
- Robert Robertson – University of New Hampshire
- Ellen Drogin Rodgers – George Mason University
- Rudy Schuster – SUNY College of Environmental Science & Forestry
- David Solan – Mansfield University
- Sharon Todd – SUNY Cortland
- Gail Vander Stoep – Michigan State University
- Hans Vogelsong – East Carolina University
- Christine Vogt – Michigan State University
- Clifton Watts – East Carolina University (2009 Proceedings Chair)
- Rodney Warnick – University of Massachusetts at Amherst
- Thomas Wickham – California University of Pennsylvania
- Greg Wright – US Forest Service – Green Mountain National Forest
- Maureen Wakefield – SUNY College of Environmental Science & Forestry (Conference Logistics)
- Harry Zinn – Penn State University
# NERR AT A GLANCE

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sunday, March 29th</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 – 1:20 pm</td>
<td>Welcome and Opening Remarks – David Klenosky, Conference Chair</td>
<td>Wapanak</td>
</tr>
<tr>
<td>1:30 pm – 3:10 pm</td>
<td><strong>Session I</strong> &lt;br&gt; GIS Applications &amp; Recreation Resource Quality &lt;br&gt; Meanings &amp; Measurement of Recreation &lt;br&gt; Climate Change &amp; Resource Planning &lt;br&gt; Youth &amp; Outdoor Recreation</td>
<td>Wapanak, Triuna, Abenia</td>
</tr>
<tr>
<td>3:30 pm – 5:10 pm</td>
<td><strong>Session II – Management Roundtables I</strong> &lt;br&gt; Urban Recreation Challenges &lt;br&gt; Land Tenure Change &amp; Recreation Access on Private Lands in the Northern Forest &lt;br&gt; Park Audit Tools</td>
<td>Wapanak, Evelley, Triuna</td>
</tr>
<tr>
<td>5:15 pm – 5:45 pm</td>
<td><strong>General Meeting</strong> – Renaming/Repositioning NERR</td>
<td>Wapanak</td>
</tr>
<tr>
<td>6:00 pm – 7:00 pm</td>
<td><strong>Poster Session</strong></td>
<td>Conference Center Foyer</td>
</tr>
<tr>
<td>7:00 pm – 8:30 pm</td>
<td><strong>Buffet Dinner &amp; Keynote Address.</strong> – Bob Krumenaker (Superintendent, Apostle Islands NL) Not-So-Early Worries About Climate Change: Climate Change &amp; the National Parks</td>
<td>Bellvue Room</td>
</tr>
<tr>
<td><strong>Monday, March 30th</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30 am – 8:00 am</td>
<td>Continental Breakfast</td>
<td>Conference Center</td>
</tr>
<tr>
<td>8:00 am – 9:40 am</td>
<td><strong>Session III</strong> &lt;br&gt; Outdoor Recreation – Trails &lt;br&gt; Human Dimensions of Wildlife &lt;br&gt; Leisure &amp; Health &lt;br&gt; Stewardship, Partnerships, &amp; Stakeholders</td>
<td>Wapanak, Evelley, Triuna, Abenia</td>
</tr>
<tr>
<td>10:00 am – 12:00 pm</td>
<td><strong>Session IV – Management Roundtables II</strong> &lt;br&gt; Sustainability &amp; Climate Change &lt;br&gt; Outdoor Recreation Trends &lt;br&gt; Coastal Resource Management</td>
<td>Wapanak, Evelley, Triuna</td>
</tr>
<tr>
<td>12:15 pm – 1:50 pm</td>
<td><strong>Luncheon &amp; Founders Forum Address</strong> – Deb Kerstetter (Associate Professor, Penn State University)</td>
<td>Bellvue Room</td>
</tr>
<tr>
<td>2:00 pm – 3:40 pm</td>
<td><strong>Session V</strong> &lt;br&gt; Recreation Access &amp; Attitudes &lt;br&gt; Outdoor Recreation I &lt;br&gt; Angling</td>
<td>Wapanak, Evelley, Triuna</td>
</tr>
<tr>
<td>4:00 pm – 5:20 pm</td>
<td><strong>Session VI</strong> &lt;br&gt; Recreation Norms &lt;br&gt; Tourism Trends &amp; Challenges &lt;br&gt; Place Meanings &lt;br&gt; Outdoor Recreation II</td>
<td>Wapanak, Evelley, Triuna, Abenia</td>
</tr>
<tr>
<td>5:30 pm – 6:30 pm</td>
<td><strong>NERR Steering Committee Meeting</strong></td>
<td>Triuna</td>
</tr>
<tr>
<td><strong>Tuesday, March 31st</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30 am – 8:00 am</td>
<td>Continental Breakfast</td>
<td>Conference Center</td>
</tr>
<tr>
<td>8:00 am – 9:30 am</td>
<td><strong>Session VII</strong> &lt;br&gt; Outdoor Recreation III &lt;br&gt; Recreation &amp; Tourism Impacts &lt;br&gt; Management &amp; Use of Park, Recreation, &amp; Tourism Resources</td>
<td>Wapanak, Evelley, Triuna</td>
</tr>
<tr>
<td>10:00 am – 12:00 pm</td>
<td><strong>Session VIII</strong> &lt;br&gt; Leisure Research &lt;br&gt; Tourism – Motives &amp;Management</td>
<td>Wapanak, Evelley</td>
</tr>
</tbody>
</table>
Sunday, March 29th

12:00 p.m. and throughout the conference   Registration (Conference Center)

1:00 – 1:20 pm   Welcome and Opening Remarks (Wapanak)
    David B. Klenosky, Conference Chair

1:30-3:10pm   Session I

GIS Applications & Recreation Resource Quality (Wapanak)   Session Chair: Rob Bristow

- Spatial Analysis of Use Patterns on the Tiadaghton and Tioga State Forests, Pennsylvania
  Elizabeth A. Covelli (Ph. D. Candidate, Pennsylvania State University), Alan R. Graefe (Associate Professor, Pennsylvania State University), Alexander L. Metcalf (Ph.D. Candidate, Pennsylvania State University), Donald B. K. English (USDA Forest Service)

- Managing Recreation on Mountain Summits in the Northern Forest: Part I
  Kelly A. Goonan (Graduate Research Assistant, University of Vermont), Robert Manning (Professor, University of Vermont), Carena van Riper (Graduate Research Assistant, University of Vermont), Christopher Monz (Assistant Professor, Utah State University)

- Managing Recreation on Mountain Summits in the Northern Forest: Part II
  Carena J van Riper (Graduate Research Assistant, University of Vermont), Robert E. Manning (Professor, University of Vermont), Kelly Goonan (Graduate Research Assistant, University of Vermont), Christopher Monz (Assistant Professor, Utah State University)

- How Water Quality and Recreation Setting Attributes Influence Lake Policy and Management
  Derek Durbin (Policy Director, NH Lakes Association), Joshua Carroll (Assistant Professor, University of New Hampshire), Damon Smith (Research Assistant, University of New Hampshire)

Meanings & Measurement of Recreation (Evelley)   Session Chair: Jerry Vaske

- Defining Recreation
  Thomas A. More (Research Forester, US Forest Service, Northern Research Station)

- The Role of Imagination in Experiencing Natural Environments
  Herbert W. Schroeder (Research Social Scientist, U.S. Forest Service, Northern Research Station)

- The Potential for Conflict Index: An Extension and Further Validation for Measuring Consensus
  Jerry J. Vaske (Professor, Colorado State University), Jay Beaman ( Affiliate Professor, Colorado State University), Lori B. Shelby (Assistant Professor, George Mason University), Mark D. Needham (Assistant Professor, Oregon State University)

- Stakeholders’ Attributions of Responsibility: An Extension of Attribution Theory and a Measure of Coastal Resource Conflict
  Christopher Hawkins (Graduate Student, University of Massachusetts), David K. Loomis (Associate Professor, University of Massachusetts)

- A Replication of the Internal Validity and Reliability of a Multivariable Index to Measure Recreation Specialization
  David K. Loomis (Associate Professor, University of Massachusetts), Christopher Hawkins (Ph.D. Candidate, University of Massachusetts)
Climate Change & Resource Planning (Triuna)  
- Are the Keys Loved to Death?
  Shona Paterson (Graduate Student, University of Massachusetts), David K. Loomis (Associate Professor, University of Massachusetts)
- Integrating Social and Biological Data: The Keys to Success?
  Sarah E. Young (Graduate Research Assistant, University of Massachusetts), David K. Loomis (Associate Professor, University of Massachusetts)
- Investigating the Impact of Weather Variability on Attendance for Nature-Based Visitor Attractions
  Steven M. Howell (Ph.D. Candidate, Purdue University), David B. Klenosky (Associate Professor, Purdue University), Alejandro Grajal (Sr. Vice-President for Conservation, Education, & Training, Chicago Zoological Society)
- Tourists’ Perception of Adaptability Measures Undertaken in Response to Damage Suffered Through Climate Change
  Christine Buzinde (Assistant Professor, Penn State University), David Manuel-Navarrete (Research Associate, University of London, King's College), Deborah Kerstetter (Associate Professor, Penn State University), Eunice Eunjung Yoo (Doctoral Candidate, Penn State University)
- Coastal Erosion as a Natural Resource Management Problem: An Economic Perspective
  Craig Landry (Associate Professor, East Carolina University)

Youth & Outdoor Recreation (Albenia)  
- Understanding Outdoor Play and Pro-Environmental Orientation: Past Childhood Play and Parent Involvement
  Amy Frandsen (Graduate Student, East Carolina University), Clifton Watts (Assistant Professor, East Carolina University), Harrison Pinckney (Graduate Student, Texas A&M University)
- The Impact of a University Outdoor Education Program upon Students’ Environmental Behaviours
  Heather Boland (Human Kinetics Graduate Student, University of Ottawa), Paul Heintzman (Associate Professor, University of Ottawa)
- Children and Nature: What Children Think, What Parents Think
  Lynn Anderson (Professor, SUNY Cortland), Sharon Todd (Associate Professor, SUNY Cortland)
- Walk, Ride and Learn: Students' Discovery of Nature on Their Route to School
  Whitney G. Knollenberg (Undergraduate Research Assistant, Michigan State University), Jeamok Kwon, (Post Doctoral Student, Michigan State University), Christine Vogt (Associate Professor, Michigan State University)
- I’m Too Old To Go Outside: Examining Age-Related Shifts in Children’s Views of Nature
  Lincoln R. Larson (Graduate Student, University of Georgia), Gary T. Green (Assistant Professor, University of Georgia), Steven B. Castleberry (Associate Professor, University of Georgia)

3:10- 3:30 pm  PM Break (Beverages)
3:30-5:10pm  **Session II – Management Roundtables I**

**Urban Recreation Challenges** *(Wapanak)*  **Session Chairs:** Herb Schroeder & Dave Klenosky

- **Fishing, Fish Consumption, and Fish Consumption Risk Perception in Industrial Urban Areas**
  Cherie LeBlanc Fisher (Social Scientist, US Forest Service, Northern Research Station), Lynne M. Westphal (Research Social Scientist and Project Leader, US Forest Service, Northern Research Station), Mario Longoni (Urban Anthropologist and Public Involvement Coordinator, The Field Museum)

- **Place Visitation, Place Avoidance, and Attitudinal Ambiguity: New Concepts for Place Research in Urban Recreation Settings**
  David B. Klenosky (Associate Professor, Purdue University), Christine A. Vogt (Associate Professor, Michigan State University), Herbert W. Schroeder (Research Social Scientist, U.S. Forest Service, Northern Research Station), Cherie LeBlanc Fisher (Social Scientist, US Forest Service Northern Research Station), Sara J. Marshall (Ph.D. Candidate, Purdue University)

**Land Tenure Change & Recreational Access on Private Lands in the Northern Forest** *(Evelley)*  **Session Chair:** Walt Kuentzel

- **Land Tenure Change in the Northern Forest: Natives, Newcomers, and the Exurban Footprint**
  Walter F. Kuentzel (Associate Professor, University of Vermont)

- **Land Sales, Subdivision, and Recreational Access in the Northern Forest**
  John Daigle (Associate Professor, University of Maine)

- **Building Community Capital: Is there a Positive Side of Subdivision and Exurban Flight?**
  Shawn Geoffroy (Outreach Coordinator, Vermont Tourism Data Center)

- **Implications for Recreational Access to Private Lands: Recommendations and Stakeholder Strategies**
  Lisa Chase (Natural Resources Specialist, University of Vermont Extension)

**Park Audit Tools** *(Triuna)*  **Session Chairs:** Kindal Shores & Andrew Mowen

- **Assessing Park Visitation, Features, Conditions, and Activities: A Discussion of Emerging Park Audit Tools**
  Kindal A. Shores (Assistant Professor, East Carolina University), Andrew J. Mowen (Associate Professor, Penn State University)

5:20-5:50pm  **General Meeting** *(Wapanak)*

- **Renaming/Repositioning NERR**
  Cliff Watts (2010 NERR Conference Chair), David B. Klenosky (2009 NERR Conference Chair)
6:00-7:00pm  **Poster Session**  (Conference Center Foyer)

- **Rayonier/Grasse River: A Case Study of the Conservation Easement Program in Northern New York**  
  Peter D'Luhosch (Conservation Easement Stewardship Specialist, NYS DEC)
- **Monitoring Vegetation Impact on the Summit of Cadillac Mountain Using Multi-spectral Post-Classification Change Detection Analysis: 2001 and 2007**  
  Min Kook Kim (Ph.D. Candidate, University of Maine), John J. Daigle (Associate Professor, University of Maine)
- **Heritage Tourism Development in Rural Russia: A Case Study in Collaborative Tourism Planning in an International Setting**  
  Roy Ramthun (Professor, Concord University), Susan Williams (Assistant Professor, Concord University), Vladimir Shalaev (Professor, Mari State Technical University), Svetlana Igorevna Ivanova (Mari State Technical University), Anna Aleksandrovna Pahmutova (Mari State Technical University)
- **Relics & Ruins For Kids: Linking Vermont’s Abandoned Landscapes To Ecosystem Stewardship**  
  David M. Lacy (Archaeologist, Green Mountain National Forest)
- **Equestrian Riders and How They Disperse Along Plog’s Allocentric/Psychocentric Continuum**  
  Ricky L. Hardy (Ph.D. Candidate, NCSU & Lecturer, The College at Brockport), Larry D. Gustke (Associate Professor, North Carolina State University)
- **The Effect of Integrated Outdoor Orientation Programs on Freshman Students’ Self-efficacy**  
  Simon J. Grout (Graduate Student, West Virginia University), Chad Pierskalla (Associate Professor, West Virginia University)
- **Comparative Satisfaction Study of University Recreation Centers**  
  Candace L. Weaver (Graduate Student, West Virginia University), Robert C. Burns (Assistant Professor, West Virginia University), Robin Yeager (Ph. D. Candidate, West Virginia University)
- **The Role of Past Experience in Creating Interest and Support for a Local Tourist Train**  
  Sharon L. Todd (Associate Professor, SUNY Cortland), Ellie Barvinchak (Graduate Student, SUNY Cortland)
- **The Role of Urban Forestry in Sustainable Tourism Development: A Case Study of Savannah, Georgia**  
  Stacy L. Casinelli (Graduate Student, West Virginia University), Chad Pierskalla (Associate Professor, Program Coordinator, West Virginia University), Jinyang Deng (Assistant Professor, West Virginia University), Jason Siniscalchi (Research Scientist, United States Coast Guard)
- **A Needs Assessment of Environmental Educators in West Virginia**  
  Amanda R. See (Graduate Student, West Virginia University), Dave Smaldone (Assistant Professor, West Virginia University)
- **Assessing Beach-goer Motivations and Use Patterns: A Study of Zuma Beach, California**  
  Charnee Lee Rose (Student, University of Massachusetts), Benjamin D. Poole (Graduate Student, University of Massachusetts), David K. Loomis (Associate Professor, University of Massachusetts)
- **A Plan for Interpreting the West Fork Rail Trail, Monongahela National Forest, WV**  
  Sandy A. Strickland (Graduate Student, West Virginia University), Dave Smaldone (Assistant Professor, West Virginia University)
- **Implementing Service-Learning Pedagogy in the Course of Recreation Programming**  
  Bob Lee (Assistant Professor, Bowling Green State University), William Obenour (Associate Professor, East Carolina University)
- **Boomers and Seniors: What Drives Leisure Participation?**  
  Lynda J. Sperazza (Assistant Professor, The College at Brockport)
- Impact of Wood Type and Repellent Application on Porcupine (Erethizon dorsatum) Damage and Consumption
  Andie S. Graham (Undergraduate Student, Penn State University DuBois), Keely Roen (Instructor of Wildlife Technology, Penn State University DuBois)

- Setting up the Requisites for a Tourism-based Financing Scheme for the Conservation of the Ifugao Rice Terraces in the Philippines
  Rogelio T. Andrada II (Graduate Student, West Virginia University), Margaret M. Calderon (Associate Professor, University of the Philippines Los Banos), Josefina T. Dizon (Associate Professor, University of the Philippines Los Banos), Asa Jose U. Sajise (Senior Lecturer, University of the Philippines Los Banos), Myraniel G. Salvador (Research Assistant, University of the Philippines Los Banos)

- Natural Amenity As It Relates to the Travel/Tourism Related Economic Benefits in West Virginia
  Jinyang Deng (Assistant Professor, West Virginia University), Jing Wang (Graduate Student, West Virginia University)

- Trends, Motivations, and Successes of Service Learning Study Abroad Programs
  Robert L Chappell (Graduate Student, University of Georgia), Craig Miller (Assistant Professor, University of Georgia)

- Q and You: The Application of Q Methodology in Recreation Research
  Whitney C. Ward (Assistant Professor, Southern Illinois University)

- Making Existing Data Work for You: Mapping Visitation Patterns at a Historic State Park
  John Confer (California University of Pennsylvania), Clarissa Confer (California University of Pennsylvania)

7:00-8:30pm Buffet Dinner & Keynote Address (Bellvue Room)
- Not-So-Early Worries About Climate Change: Climate Change & the National Parks
  Bob Kremenaker (Superintendent, Apostle Islands National Lakeshore)
Monday, March 30th

7:30-8:00am  Continental Breakfast (Conference Center)

8:00-9:40am  Session III

Outdoor Recreation – Trails (Wapanak)  
Session Chair: Sharon Todd

- Experience Use History and its Relationship to Management Actions and Satisfaction
  Jordan W. Smith (Ph.D. Student, North Carolina State University), Roger L. Moore (Professor, North Carolina State University), Steven W. Burr (Professor, Utah State University)

- The Influence of Loss Aversion on Mountain Bikers’ Behavioral Intentions
  Andrew Purrington (Graduate Student, Pennsylvania State University), Harry Zinn (Associate Professor, Pennsylvania State University), Garry Chick (Professor, Pennsylvania State University), Deb Kerstetter (Associate Professor, Pennsylvania State University)

- Exploring Motives for Hiking on the Appalachian Trail: Using a Means-End Approach
  Eddie L. Hill (Assistant Professor, SUNY Cortland), Barbara Freidt (Lecturer, Old Dominion University), Marni Goldenberg (Associate Professor, Old Dominion University), Edwin Gómez (Associate Professor, Old Dominion University)

- A Benefits-Based Study of Appalachian Trail Users: Validation and Application of the Benefits of Hiking Scale
  Barbara Freidt (Lecturer, Old Dominion University), Eddie Hill (Assistant Professor, SUNY Cortland), Edwin Gómez (Associate Professor, Old Dominion University), Marni Goldenberg (Associate Professor, Old Dominion University), Laura Hill (Assistant Professor, SUNY Cortland)

Human Dimensions of Wildlife (Evelley)  
Session Chair: Craig Miller

- Climate Change: A Human Dimensions Perspective
  Michelle Gibson (Graduate Student, George Mason University), Lori B. Shelby (Assistant Professor, George Mason University), Craig A. Miller (Assistant Professor, University of Georgia)

- Importance of Existence, Bequest, and Heritage Values in Stakeholder Perceptions of Black Bear Populations in Florida
  Craig A. Miller (Assistant Professor, University of Georgia), Joshua Agee (Graduate Research Assistant, University of Georgia), Kerrie Anne Loyd (Ph.D. Candidate, University of Georgia)

- Judgments of Responsibility, Emotions, and Acceptable Human-Wolf Management Actions
  Lori B. Shelby (Assistant Professor, George Mason University), Jerry J. Vaske (Professor, Colorado State University), Jonathan G. Taylor (United States Geological Survey, Retired)

- Predicting Intentions to Support Desert Tortoise Recovery Efforts: A Moderated Mediation Model
  Katie M. Lyon (Graduate Student, Colorado State University), Jerry J. Vaske (Professor, Colorado State University), Maureen P. Donnelly (Associate Professor, Colorado State University)

- Developing Normative Standards for Wildlife Viewing
  Laura E. Anderson (Postdoctoral Associate, University of Vermont), Robert E. Manning (Professor, University of Vermont), William A. Valliere (Research Specialist, University of Vermont), Jeffrey C. Hallo (Assistant Professor, Clemson University)
Leisure & Health (Triuna)  

Session Chair: Cliff Watts

- **Rural Older Adult Women's Enjoyment of Leisure Time Physical Activity**
  Jill J Naar (Graduate Student, East Carolina University), Kindal Shores (Assistant Professor, East Carolina University)

- **Level of Physical Activity, Activity Choice, and California State Parks**
  Jerusha B. Greenwood (Assistant Professor, California Polytechnic State University, San Luis Obispo), Kelly S. Bricker (Associate Professor, University of Utah), Christina Voorhees (Consultant), William W. Hendricks (Professor, California Polytechnic State University, San Luis Obispo), Marni Goldenberg (Associate Professor, California Polytechnic State University, San Luis Obispo)

- **An Application of the Global Sustainable Tourism Criteria in Health Tourism**
  Robert S. Bristow (Professor, Westfield State College), Wen-Tsann Yang (Associate Professor, Feng-Chia University), Mei-Tsen Lu (Doctoral Student, Feng-Chia University)

- **Retirement-Age Women’s Perceptions of Leisure and Aging**
  Toni Liechty (Graduate student, Pennsylvania State University), Careen M. Yarnal (Assistant Professor, Pennsylvania State University), Deborah L. Kerstetter (Associate Professor, Pennsylvania State University), Andrew J. Mowen (Associate Professor, Pennsylvania State University)

- **Parks, Fitness, and the Diverse User: Balancing Park Missions, User Perceptions, & Entrance Fees**
  K.C. Bloom (Assistant Professor, Salem State College), Craig A. Miller (Assistant Professor, University of Georgia)

Stewardship, Partnerships, & Stakeholders (Albenia)  

Session Chair: Libby Covelli

- **Conceptualizations of Interactions between Partners and the USDA Forest Service**
  Erin Seekamp (Assistant Professor, Southern Illinois University Carbondale), Lee Cerveny (Research Social Scientist, USDA Forest Service Pacific Northwest Research Station)

- **Exploring the Factors Influencing Stewardship in the Eastern Lake Ontario Dune and Wetland Area**
  Diane M. Kuehn (Assistant Professor, SUNY ESF)

- **Shifting the Discussion Toward Recreation: Outreach Opportunities with Private Forest Landowners**
  Alexander L. Metcalf (Doctoral Candidate, Penn State University, School of Forest Resources), James C. Finley (Professor of Forest Resources, Penn State University, School of Forest Resources), A.E. Luloff (Professor or Rural Sociology, Penn State University, Department of Rural Sociology and Agricultural Economics), Richard C. Stedman (Assistant Professor, Cornell University Human Dimensions Research Unit)

- **Evaluating Recreation-Based Voluntary Associations Using a Social Capital Framework: An Example Using ATV Clubs**
  Marilynne J. Mann (Research Associate, University of Maine, Center for Tourism Research and Outreach), Jessica E. Leahy (Assistant Professor, School of Forest Resources, University of Maine)

- **A Comparison of Five Stakeholders’ Perceptions of British Columbia Provincial Parks’ Governance Model**
  Windekind C. Buteau-Duitschaever (Graduate Student, University of Waterloo), Paul. F. J. Eagles (Professor, University of Waterloo)

9:40-10:00 am  AM Break (Coffee, etc.)
10:00-11:45am    Session IV -- Management Roundtables II

**Sustainability & Climate Change** (Wapanak)  **Session Chairs:** Kelly Bricker & John Confer

- This session will highlight research initiatives and programs to address sustainability and climate change in parks, recreation, and tourism. Specifically, presentations on USDA FS research initiatives; winter recreation; and sustainability within the university parks, recreation, and tourism curriculum; and global sustainable tourism criteria initiatives will be addressed. Participants will address initiatives and research currently underway and needs for the future.
- Short presentations to begin the discussion will include: The Partnership for Global Sustainable Tourism Criteria; USDA FS Research Initiatives on Sustainability; Winter Recreation and Climate Change; and Sustainability in Parks, Recreation, and Tourism Education.

**Outdoor Recreation Trends** (Evelley)

- **Outdoor Recreation Participation: What Are These Data Telling Us?**
  Rod Warnick (Professor, University of Massachusetts), Thomas A. More (Research Forester, US Forest Service, Northern Research Station), Michael A. Schuett (Associate Professor, Texas A&M University)

**Coastal Resource Mgmt** (Triuna)

- **Assessing Recreational Challenges to Inform Coastal Resource Management**
  Chris Ellis (Social Scientist, NOAA Coastal Services Center), David Loomis (Professor, University of Massachusetts), Hans Vogelsong (Associate Professor, East Carolina University)

12:00-1:45pm   Lunch & Founders Forum Address  (Bellvue Room)

**Deb Kerstetter** (Associate Professor, Penn State University)

2:00-3:40pm   Session V

**Recreation Access & Attitudes** (Wapanak)  **Session Chair:** Cliff Watts

- **Supports for Autonomy, Relatedness and Competence at Summer Camp and Associations with Developmental Outcomes for Youth with HIV/AIDS**
  Clifton E. Watts (Assistant Professor, East Carolina University), Ann M. Gillard (Assistant Professor, Springfield College), Amy Frandsen (Graduate Student, East Carolina University)

- **Organizational Processes and Issues at a Camp for Youth with HIV/AIDS**
  Ann Gillard (Assistant Professor, Springfield College), Peter A. Witt (Professor, Texas A&M University), Clifton E. Watts (Assistant Professor, East Carolina University)

- **Conservation attitudes and behaviors of Pennsylvania State Park Visitors**
  Nate Trauntvein (Research Assistant, Pennsylvania State University), Andrew J. Mowen (Associate Professor, Pennsylvania State University), Alan Graefe (Associate Professor, Pennsylvania State University), Mark Ivy (Federal Energy Regulatory Commission)

**Outdoor Recreation I** (Evelley)  **Session Chair:** Mark Needham

- **Nature-Based Values and Attachment to Natural Landscapes**
  Gerard Kyle (Associate Professor, Texas A&M University), James Absher (Research Social Scientist, USDA Forest Service), Chris Wynveen (Graduate Student, Texas A&M University), Gene Theodori (Associate Professor, Sam Houston State University)

- **Reassessing the Conceptualization Of Place Attachment**
  Jinhee Jun (Assistant Professor, California University of Pennsylvania), Gerard T. Kyle (Associate Professor, Texas A&M University), James Absher (Research Social Scientist, USDA Forest Service)

- **Exploring the Relationship between Recreation Specialization and Crowding In the"
Urban Context: A Comparison between Three Everyday Physical Activities
Arne Arnberger (Associate Professor, University of Natural Resources and Applied Life Sciences, Vienna), Renate Eder (MSc, University of Natural Resources and Applied Life Sciences, Vienna)

- Value Orientations and Situational Influences of Acceptable Recreation Management Strategies at Beaches and Reefs in Hawaii
  Mark D. Needham (Assistant Professor, Oregon State University, Department of Forest Ecosystems and Society)

Angling (Triuna)  

Session Chair: Tom Wickham

- Examining the Encounter-Norm-Crowding Relationship on the Lower White Salmon River in the State of Washington
  Robert J Cooper (Graduate Student, Pennsylvania State University), Alan Graefe (Associate Professor, Pennsylvania State University), Robert Burns (Assistant Professor, West Virginia University)

- Longitudinal Analysis of Fishing Behavior among Texas Anglers (1990-2006)
  Jiaying (Jenny) Lu (Graduate Student, Texas A&M University), Michael A. Schuett (Associate Professor, Texas A&M University), Nathan Wolber (Graduate Student, Texas A&M University), Robert Ditton (Professor, Texas A&M University)

- Place Meanings in Marine Recreation Areas
  Christopher J. Wynveen (Graduate Assistant, Texas A&M University), Gerard T. Kyle (Associate Professor, Texas A&M University), Stephen G. Sutton (James Cook University)

- Sustainability Issues in the World Fishing Industry: Is Aquaculture the Solution?
  Imran Rahman (Graduate Student, University of Massachusetts), Choongbeom Choi (Graduate Student, University of Massachusetts)

3:40- 4:00 pm  
PM Break (Beverages)

4:00-5:30pm  
Session VI

Recreation Norms (Wapanak)  

Session Chair: Steve Howell

- Applying the Norm Activation Model to Examine Effects of Commercial Outdoor Recreation and Tourism in Juneau, Alaska
  Linda E. Kruger (Social Science Team Leader, US Forest Service, Pacific Northwest Research Station), Sera E. Janson (Graduate Student, Oregon State University, Department of Forest Ecosystems and Society), Mark D. Needham (Assistant Professor, Oregon State University)

- Normative Tolerances for Encounters with SCUBA Divers and Snorkelers: An Application of the Potential for Conflict Index
  Lauren M. Heesemann (Graduate Student, Colorado State University), Jerry J. Vaske (Professor, Colorado State University), David K. Loomis (Associate Professor, University of Massachusetts)

- Norm Stability at Alcatraz Island: Effects of Time and Changing Conditions
  William A. Valliere (Researcher, University of Vermont), Robert E. Manning (Professor, University of Vermont)

- Investigating Knowledge, Integrative Complexity, and Acceptability in Order to Protect Wilderness Recreation Opportunities
  Joshua Carroll (Associate Professor, University of New Hampshire), Anita Tucker (Assistant Professor, University of New Hampshire), Sean McLaughlin (Research Assistant, University of New Hampshire)

- Standards of Quality and Levels of Service: Bridging the Gap between Efficiency and Sustainability in the Context of Transportation and Tourism
  Peter R. Pettengill (Graduate Research Assistant, University of Vermont), Robert Manning (Professor, University of Vermont), William Valliere (Researcher, University of Vermont), Laura E. Anderson (Postdoctoral Associate, University of Vermont)
Tourism Trends & Challenges (Evelley)  
Session Chair: Deb Kerstetter

- **Strategic Alliances in the Ecotourism Industry in North Carolina**  
  Svitlana Iarmolenko (Graduate Student, East Carolina University), Paige P. Schneider (Assistant Professor, East Carolina University)

- **Engaging Diverse Stakeholders in Community-based Tourism Development: Looking for Common Ground**  
  Gail A. Vander Stoep (Associate Professor, Michigan State University), Ann Chastain (County Extension Director, Michigan State University Extension)

- **Understanding Factors that Contribute to Immigrant’s Festival Behaviour and Attendance**  
  Linda Roggen (Graduate Student, East Carolina University), Hans Vogelsong (Associate Professor, East Carolina University)

- **Motivations and Visitor Segments within a University Agricultural Festival**  
  Carla Barbieri (Assistant Professor, University of Missouri), Christine Tew (Graduate Assistant, University of Missouri), Yasuharu Katsube (Graduate Assistant, University of Missouri)

Place Meanings (Triuna)  
Session Chair: Diane Kuehn

- **Building Sustainable Communities Using Sense of Place Indicators in Three Hudson River Valley Tourism Destinations: An Application of the LAC Process**  
  Laura E. Sullivan (Graduate Student, SUNY ESF), Rudy M. Schuster, Jr. (Associate Professor, SUNY ESF), Diane M. Kuehn (Assistant Professor, SUNY ESF), Cheryl S. Doble (Associate Professor, SUNY ESF), Duarte Morais (Associate Professor, Penn State University)

- **Modeling the Scenic Beauty of the Highland Scenic Highway, West Virginia**  
  Ishwar Dhami (Graduate Student, West Virginia University), Jinyang Deng (Assistant Professor, West Virginia University)

- **Predictors of Visitors’ Intention to Return to a Nature-Based Recreation Area**  
  Jee In Yoon (Ph.D Student, Texas A&M University), Gerard Kyle (Associate Professor, Texas A&M University), William Norman (Associate Professor, Clemson University), Laura Jodice (Research Associate, Clemson University)

- **Exotic Representations of Landscapes: Feng Shui Tourism in China**  
  Youngjoon Choi (Graduate Student, Penn State University), Christine Buzinde (Assistant Professor, Penn State University)

Outdoor Recreation II (Albenia)  
Session Chair: John Confer

- **Economic Non-Market Valuation Approach to Estimating Park Trail Benefits**  
  Chi-Ok Oh (Assistant Professor, Clemson University), William E. Hammitt (Professor Emeritus, Clemson University)

- **Policy Analysis of a Newly Implemented Federal Recreation Policy Change: The Case of the US Forest Service Special Use Permit System**  
  Jessie E. Meybin (Graduate Research Assistant, West Virginia University), Robert Burns (Assistant Professor, West Virginia University), Alan Graefe, Ph.D (Associate Professor, Penn State University), James D. Asher (Research Social Scientist, US Forest Service), Michael Heilman (Research Social Scientist, US Forest Service)

- **National Park Service Visitation and Interest in Outdoor Activities**  
  Rodney B. Warnick (Professor, University of Massachusetts), Tom More (Research Scientist, US Forest Service, Northern Research Station), Mike Schuett (Associate Professor, Texas A&M University), Walt Kuentzel (Associate Professor, University of Vermont)

- **Recreation Trails in Maine and New Hampshire: A Comparison of Motorized, Non-Motorized, and Non-Mechanized Trails**  
  Ethel Wilkerson (Program Manager, Manomet Center for Conservation Sciences), Andy Whitman (Manomet Center for Conservation Sciences)

5:30-6:30pm  
NERR Steering Committee Meeting (Triuna Room)

Dinner on your own at the Sagamore or in town
### Tuesday, March 31st

#### 7:30-8:00am  Continental Breakfast (Conference Center)

#### 8:00-9:40am  Session VII

**Outdoor Recreation III (Wapanak)**
- **Session Chair:** Alvin Yu
  - **Participant Perceptions of Nature after a University-Affiliated Canoe Camping Trip**
    Robert G. Andrejewski (Graduate Student, Penn State University), Lynn S. Anderson (Chair of the Department of Recreation and Leisure Studies, SUNY Cortland), Sharon L. Todd (Associate Professor, SUNY Cortland)
  - **Experiences of Campers and Campsite Impacts in the St. Regis Canoe Area Wilderness**
    Chad P. Dawson (Professor, SUNY-ESF), Rudy Schuster (Associate Professor, SUNY-ESF), Blake Propst (Graduate Student, SUNY-ESF), Corenne Black (Graduate Student, SUNY-ESF)
  - **Adventure Service: The Role of Service Quality and Measurement in Adventure Recreation Settings**
    Brandon Hall (Graduate Student, East Carolina University), Hans Vogelsong (Associate Professor, East Carolina University)
  - **A Comparative Analysis of Mail and Internet Surveys**
    Benjamin D. Poole (Graduate Student, University of Massachusetts), David K. Loomis (Associate Professor, University of Massachusetts)
  - **A Comparison of Two Follow-Up Analyses after MANOVA, ANOVA and DDA - A Case Study of the Program Effects on Education Tour Programs**
    Alvin H. Yu (Assistant Professor, St Cloud State University), Garry E. Chick (Professor, Pennsylvania State University)

**Recreation & Tourism Impacts (Evelley)**
- **Session Chair:** Chi-Ok Oh
  - **A Systematic Approach to Evaluating Maine’s Major Tourism Projects**
    Ana Zivanovic (Graduate Research Assistant, University of Maine - Center for Tourism Research and Outreach), Marilyne Mann (Research Associate, University of Maine - Center for Tourism Research and Outreach), Harold Z. Daniel (Associate Professor, University of Maine - Center for Tourism Research and Outreach)
  - **American Folk Festival Customer Satisfaction and Economic Impact Project**
    Bernardita Silva (Graduate Student, University of Maine), Marilyne Mann (Research Associate, Center for Tourism Research and Outreach (CentRO), University of Maine), Harold Z. Daniel (Associate Professor, University of Maine - Center for Tourism Research and Outreach)
  - **Impact of Second Homes in A Tourism Dominated Resort County**
    Tetiana Lysenko (Graduate Student, East Carolina University), Hao Huili (Faculty, East Carolina University), James Kleckley (Associate Professor, East Carolina University), Pat Long (Professor, East Carolina University), Hans Vogelsong (Associate Professor, East Carolina University)
  - **The 2008 Great New England Air Show: An Economic Impact Study**
    Apurv Mathur (Graduate Student, University of Massachusetts), Deepak Ninan (Graduate Student, University of Massachusetts)

**Management & Use of Park, Recreation, & Tourism Resources (Triuna)**
- **Session Chair:** Mark Needham
  - **Increasing Walking Rates at the C & O Canal National Historical Park**
    Dave Smaldone (Assistant Professor, West Virginia University)
  - **Engaging Communities of Color in the National Parks: A Case Study of Santa Monica Mountains National Recreation Area**
    Rebecca Stanfield McCown (Graduate Research Assistant, University of Vermont, Conservation Study Institute), Robert Manning (Professor, University of Vermont), Daniel Laven (Management Assistant, Conservation Study Institute), Nora Mitchell (Director, Conservation Study Institute)
- Factors Affecting Intention of State Park Visitation: A Survey of State Park Visitors in Oregon along Columbia Gorge River
  Suresh K. Shrestha (Graduate Student, West Virginia University), Robert C. Burns (Assistant Professor, West Virginia University)

- Motivational Differences for Participating in Outdoor Recreation across Different Physical Settings
  David A. Graefe (Graduate Student, SUNY ESF), Rudolph M. Schuster (Associate Professor, SUNY ESF), Gary T. Green (Assistant Professor, University of Georgia)

- McDonaldization and Commercial Outdoor Recreation and Tourism: Trends and Changes in the Juneau, Alaska Area
  Sera E. Janson (Graduate Student, Oregon State University, Department of Forest Ecosystems and Society), Mark D. Needham (Assistant Professor, Oregon State University, Department of Forest Ecosystems and Society), Linda E. Kruger (Social Science Team Leader, US Forest Service, Pacific Northwest Research Station), Randall S. Rosenberger (Assistant Professor, Department of Forest Ecosystems and Society, Oregon State University)

9:40-10:00 am AM Break (Coffee, etc.)

10:00-11:50 am Session VIII

Leisure Research (Wapanak)  Session Chair: Erwei Dong

- Leisure Lifestyles and Health in Urban Korea: A case study in Seoul
  Erwei Dong (Assistant Professor, University of South Alabama), Jouyeon Yi-Kook (Assistant Professor, Ajou University, Suwon, Korea)

- A Review of Empirical Studies on the Hierarchical Leisure Constraint Model
  Xiangyou Sharon Shen (Graduate Student, Penn State University), Geoffrey Godbey (Professor Emeritus, Penn State University), Duane W. Crawford (Associate Professor, Texas Tech University)

- Leisure Time and Physical Activity: Satisfaction, Motivations, and Constraints of Campus Recreation Center Participants
  Robin L Yeager (Graduate Student, West Virginia University), Robert Burns (Assistant Professor, West Virginia University)

- The Relationship of Leisure Resourcefulness to Level of Affluence as a Lifestyle Orientation and Life Satisfaction
  Jerry L. Ricciardo (Associate Professor, Eastern Michigan University)

Tourism – Motives & Management (Evelley)  Session Chair: SaraJane Marshall

- The Motivations of Non-Buddhists Visiting a Buddhist Temple
  Jaeyeon Choe (Graduate Student, Pennsylvania State University), Christine Buzinde (Assistant Professor, Pennsylvania State University), Michael Blazey (Professor, California State University, Long Beach)

- “I just wanted to get away” – An Analysis of Spring Breakers’ Travel Motivations
  Nuno F. Ribeiro (Graduate Student, Penn State University), E. Paul Durrenberger (Professor, Penn State University), Careen M. Yarnal (Assistant Professor, Penn State University), Garry E. Chick (Professor, Penn State University)

- Profiling Travel Motivation Based Segments: A Study of Welcome Centers
  Yawei Wang (Assistant Professor, Montclair State University), Susan Weston (Associate Professor, Montclair State University), Li-Chun Lin (Associate Professor, Montclair State University)

- The N-Generation in a Dynamically Changing Society and Its Impact on Tourism: A Case of South Korea
  Min Park (Assistant Professor, George Mason University), Ho-Chan Jang (Associate Professor, Korea National Open University), Seok-Ho Lee (Associate Professor, Korea National Open University), Russell Brayley (Professor, George Mason University)
Safe travels home. See you next year!
**Guidelines for Proceedings Contributors**

**Introduction:**
NERR has a long tradition of publishing conference proceedings. This will continue, but no longer as a hard copy publication. Proceedings are now posted on the web at [www.esf.edu/nerr/past_proc.htm](http://www.esf.edu/nerr/past_proc.htm) AND [www.treesearch.fs.fed.us](http://www.treesearch.fs.fed.us). Proceedings are available around the time of the next year’s conference. Only papers that were presented by paid conference registrants are eligible to be included in the proceedings. Another recent change for the NERR proceedings is that all submitted papers MUST be pre-reviewed before submission. This change is being made in accordance with Forest Service policy. Details on this process are given in the “Instructions for Pre-Review of NERR Proceedings Paper Submissions”.

**Date Due:**
All papers intended for the proceedings must be pre-reviewed AND submitted by **June 22, 2009**. Please make every effort to comply with this date. Early submission of papers is appreciated and encouraged.

**General Information:**
Authors are encouraged to minimize background/literature review portions of papers -- and concentrate using their 'space and words' on findings, results and conclusion. Use figures and charts to enhance explanation of findings, and consider omitting tables or figures that are superfluous.

Tables and citations must be formatted according to APA style (5th edition). Levels of headings must be indicated using a number system (e.g., 1.0, 1.1, 1.2, 2.0, 2.1, 2.2). See the following page for an example of the proper format for headings and citations AND the two example papers posted on the NERR website. Please submit your manuscript typed in 9-point Times New Roman font with single-spacing and one inch margins.

**Paper Length:**
The total length of your paper, including graphs, charts, tables, references, or other graphics, is restricted to seven (7) pages (again, single-spaced in 9-point Times New Roman font) OR 3,000 words, whichever is less. The paper must adhere to this length restriction or it will not be included in the proceedings.

**Format:**
Please submit your paper as a Microsoft Word document. If necessary, anything that can be opened in a MS Word-IBM platform is acceptable. Identify your file using the last name of the primary author, for example: “confer.doc” or “wickham.doc.” Papers must follow the required format as given in the “Instructions and sample of proper formatting for the NERR 2009 Proceedings” (available on the NERR website).

**Graphs, Charts, Tables, Images:**
All graphics including tables and charts should be submitted both clean and camera ready, and digitally. The camera-ready copy will be used to scan the image, if necessary, to create higher resolution image.

Place tables and figures, created in the word processing program, at the end of the document. Use corresponding notations in the text indicating approximate placement. **DO NOT IMBED TABLES AND FIGURES IN THE TEXT.** Use the table-making utility in your word processing software instead of creating tables with tabs and spaces.

Images should be included as separate files, created in the native program, with an identification corresponding to the primary author’s name (e.g. watts.jpeg or watts.bmp). Use corresponding notations in the text indicating approximate placement. **DO NOT IMBED IMAGES IN THE MANUSCRIPT FILE or in a separate MS Word file if it was not created in Word.** The proceedings will be in color so color graphics and photos are OK. Target resolution for images is 300 dpi for a standard 4” X 6” photo. Anything less will result in poor quality images.

**E-mail To:**
Submit your manuscript, a completed NERR Pre-Review Form, and any associated files as e-mail attachments to Clifton Watts at wattsc@ecu.edu. **A submission confirmation will be sent to you via return email. If you do not receive a confirmation email within a week of your submission, please contact Clifton via email** (or at 252-737-2426).
<table>
<thead>
<tr>
<th><strong>Instructions for Pre-Review of NERR Proceedings Paper Submissions</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Introduction</strong></td>
</tr>
<tr>
<td><strong>When should the pre-review be completed?</strong></td>
</tr>
<tr>
<td><strong>Who should be a reviewer?</strong></td>
</tr>
<tr>
<td><strong>Who should <strong>not</strong> be a reviewer?</strong></td>
</tr>
<tr>
<td><strong>Are the reviews blind and do they constitute a refereed publication?</strong></td>
</tr>
<tr>
<td><strong>What should reviewer’s comment on?</strong></td>
</tr>
<tr>
<td><strong>How should reviewers provide their comments?</strong></td>
</tr>
<tr>
<td><strong>After receiving comments, what should the author(s) do?</strong></td>
</tr>
<tr>
<td><strong>Final step</strong></td>
</tr>
<tr>
<td><strong>Acceptance of papers for the Proceedings</strong></td>
</tr>
</tbody>
</table>

The complete set of instructions and forms for the 2009 NERR Proceedings are available on the NERR website.
## NERR 2009
### Guidelines for Proceedings Contributors

**Introduction:**
NERR has a long tradition of publishing conference proceedings. This will continue, but no longer as a hard copy publication. Proceedings are now posted on the web at [www.esf.edu/nerr/past_proc.htm](http://www.esf.edu/nerr/past_proc.htm) AND [www.treesearch.fs.fed.us](http://www.treesearch.fs.fed.us). Proceedings are available around the time of the next year’s conference. Only papers that were presented by paid conference registrants are eligible to be included in the proceedings. Another recent change for the NERR proceedings is that all submitted papers MUST be pre-reviewed before submission. This change is being made in accordance with Forest Service policy. Details on this process are given in the “Instructions for Pre-Review of NERR Proceedings Paper Submissions”.

**Date Due:**
All papers intended for the proceedings must be pre-reviewed AND submitted by **June 22, 2009**. Please make every effort to comply with this date. Early submission of papers is appreciated and encouraged.

**General Information:**
Authors are encouraged to minimize background/literature review portions of papers -- and concentrate using their 'space and words' on findings, results and conclusion. Use figures and charts to enhance explanation of findings, and consider omitting tables or figures that are superfluous.

Tables and citations must be formatted according to APA style (5th edition). Levels of headings must be indicated using a number system (e.g., 1.0, 1.1, 1.2, 2.0, 2.1, 2.2). See the following page for an example of the proper format for headings and citations AND the two example papers posted on the NERR website. Please submit your manuscript typed in 9-point Times New Roman font with single-spacing and one inch margins.

**Paper Length:**
The total length of your paper, including graphs, charts, tables, references, or other graphics, is restricted to seven (7) pages (again, single-spaced in 9-point Times New Roman font) OR 3,000 words, whichever is less. The paper must adhere to this length restriction or it will not be included in the proceedings.

**Format:**
Please submit your paper as a Microsoft Word document. If necessary, anything that can be opened in a MS Word-IBM platform is acceptable. Identify your file using the last name of the primary author, for example: “confer.doc” or “wickham.doc.” Papers must follow the required format as given in the “Instructions and sample of proper formatting for the NERR 2009 Proceedings” (available on the NERR website).

**Graphs, Charts, Tables, Images:**
All graphics including tables and charts should be submitted both clean and camera ready, and digitally. The camera-ready copy will be used to scan the image, if necessary, to create higher resolution image.

Place tables and figures, created in the word processing program, at the end of the document. Use corresponding notations in the text indicating approximate placement. DO NOT IMBED TABLES AND FIGURES IN THE TEXT. Use the table-making utility in your word processing software instead of creating tables with tabs and spaces.

Images should be included as separate files, created in the native program, with an identification corresponding to the primary author’s name (e.g. watts.jpegs or watts.bmp). Use corresponding notations in the text indicating approximate placement. DO NOT IMBED IMAGES IN THE MANUSCRIPT FILE or in a separate MS Word file if it was not created in Word. The proceedings will be in color so color graphics and photos are OK. Target resolution for images is 300 dpi for a standard 4” X 6” photo. Anything less will result in poor quality images.

**E-mail To:**
Submit your manuscript, a completed NERR Pre-Review Form, and any associated files as e-mail attachments to Clifton Watts at wattsc@ecu.edu. **A submission confirmation will be sent to you via return email. If you do not receive a confirmation email within a week of your submission, please contact Clifton via email** (or at 252-737-2426).
<table>
<thead>
<tr>
<th>Instructions for Pre-Review of NERR Proceedings Paper Submissions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Introduction</strong></td>
</tr>
<tr>
<td><strong>When should the pre-review be completed?</strong></td>
</tr>
<tr>
<td><strong>Who should be a reviewer?</strong></td>
</tr>
<tr>
<td><strong>Who should not be a reviewer?</strong></td>
</tr>
<tr>
<td><strong>Are the reviews blind and do they constitute a refereed publication?</strong></td>
</tr>
<tr>
<td><strong>What should reviewer’s comment on?</strong></td>
</tr>
<tr>
<td><strong>How should reviewers provide their comments?</strong></td>
</tr>
<tr>
<td><strong>After receiving comments, what should the author(s) do?</strong></td>
</tr>
<tr>
<td><strong>Final step</strong></td>
</tr>
<tr>
<td><strong>Acceptance of papers for the Proceedings</strong></td>
</tr>
</tbody>
</table>
**NERR Pre-Review Form**  
Submit electronically WITH final paper  
to wattsc@ecu.edu

Author(s):  
Paper title:  

Completed by author(s) after two pre-reviews are completed.

<table>
<thead>
<tr>
<th>Summarize Reviewers’ comments</th>
<th>Author(s) actions toward reviewer’s comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer #1 comments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Reviewer #2 comments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Instructions for and sample of proper formatting for the NERR 2009 Proceedings

Also examine the two sample papers that have been posted at http://www.esf.edu/nerr/past_proc.htm. Authors should NOT worry about 2-column format, lines, bold-face headings, etc. Those formatting changes will be applied to the digital version as the paper is prepared for publishing.

TITLE SHOULD BE IN ALL CAPS, TIMES NEW ROMAN, 9-POINT FONT

Primary Author
Provide full contact information
For primary author only

Secondary author
Only provide affiliation
of secondary author

Additional authors
Only provide affiliation
of additional authors

Abstract
Abstract should be in 9-point Times New Roman font. The abstract should be no longer than 150 words in length. The title for the abstract should be flush left and in 9-point font as shown.

1.0 Introduction: Headings
Section headings should be in 9-point Times New Roman font using upper and lower case lettering. The body of the paper should be written in 9-point Times New Roman font and single-spaced.

1.1 Sub Headings
Sub-sections within larger sections should be designated using a consecutive numbering system such as 1.0, 1.1, 1.2. The editor will be reformatting the documents for consistency. If you use a heading system other than this it is easy for the editor to misinterpret the heading level.

2.0 Tables, Graphs, Figures, and Images
Use the simple notation below to indicate the approximate location of the graphics in the text. Do not imbed the graphics directly in the text. Remember, that the exact location of the graphics might be different from your desired location due to space restrictions. Please include tables and figures created in the word processing program at the end of the document with appropriate titles. Do not fear! The editor will do everything possible to place your graphics in the preferred locations.

3.0 Paragraph Breaks
Do not indent paragraphs. Indicate paragraph breaks using a single space.

4.0 Citations


Sample of properly completed NERR Pre-Review Form

**NERR Pre-Review Form** Submit electronically WITH final paper to NERR Proceedings editor

Author(s): E. G. Example
Paper title: How to Address Reviewer Comments

Completed by author(s) after two pre-reviews are completed.

<table>
<thead>
<tr>
<th><strong>Summarize Reviewers’ comments</strong></th>
<th><strong>Author(s) actions toward reviewer’s comments</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reviewer #1 comments</strong></td>
<td></td>
</tr>
<tr>
<td>Reorganize introduction. Make capitalization of Forest more consistent, add a figure to show the difference between “interface area” and “intermix area.” Add more substance to the discussion section. The implications of demographic changes on recreation and access merit more discussion. A few typos need to be corrected throughout as noted on the hard copy.</td>
<td>The introduction was reorganized to improve the flow of the paper. Changed Forest to forest except in the phrase “National Forest.” A figure and additional sentence were added to clarify the difference between interface and intermix areas. Because the research is in its initial stages, only data from the literature review was included to discuss the implications of demographic changes on recreation and access. Typos were corrected.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Reviewer #2 comments</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Change the title to more accurately reflect subject matter.</td>
<td>1. The title needs to remain the same for this publication as this was the title of the related presentation at NERR.</td>
</tr>
<tr>
<td>2. The abstract needs more “meat”; include less intro and more methods and conclusions.</td>
<td>2. Removed one sentence from the abstract that described background research and added two short sentences summarizing the results and conclusions.</td>
</tr>
<tr>
<td>3. The Jacobs (2005) citation in the Intro section is not in the references list at the end of the paper.</td>
<td>3. Added Jacobs citation to the references.</td>
</tr>
<tr>
<td>4. Need to make a more detailed argument about the cons of increased recreation in National Forests.</td>
<td>4. I expanded the section on how demographic changes are influencing recreation on National Forests and how this impacts the Forests.</td>
</tr>
<tr>
<td>5. A figure would be helpful in understanding the methods. Also, the results section merits the inclusion of a histogram or graph to help readers visualize what the results actually mean.</td>
<td>5. I added a figure to clarify the methods and a bar graph in the results section.</td>
</tr>
<tr>
<td>6. Attempt to draw more management implications and call for research in your conclusion, if possible. This will allow an easy feed-in to future papers.</td>
<td>6. I also added more discussion of the management implications of demographic changes and increased recreation on National Forests. The results section now includes a call for additional research.</td>
</tr>
</tbody>
</table>