



Advances in Threat Assessment and Their Application to Forest and Rangeland Management



July 18-20, 2006 • Boulder, Colorado
Millennium Harvest House



Sponsored by

Western Wildland Environmental Threat Assessment Center, Pacific Northwest Research Station, USDA Forest Service

Eastern Forest Environmental Threat Assessment Center, Southern Research Station, USDA Forest Service

Cooperative State Research, Education, & Extension Service

Southern Regional Extension Forestry

Southern Forest Research Partnership

Advances in Threat Assessment and Their Application to Forest and Rangeland Management



July 18-20, 2006 • Boulder, Colorado • Millennium Harvest House

invasive species,

insects,

diseases,

uncharacteristic fire,

severe weather,

climate change,

wildland loss.

North America's forests and rangelands face many environmental threats that often act in concert and with no regard for land ownership or administrative boundaries. As such, these threats are difficult to identify and anticipate, much less manage or control. Natural and anthropogenic threats to forests and rangelands include invasive species, insects, diseases, uncharacteristic fire, severe weather, climate change, and wildland loss.

Policymakers, property owners, and land managers need improved scientific knowledge and tools to help them better manage the risk associated with these threats.

You are invited to attend a conference aimed at addressing this need.

The Conference

"Advances in Threat Assessment and Their Application to Forest and Rangeland Management" will be held July 18-20, 2006, at the Millennium Harvest House in Boulder, Colorado. The 3-day conference will explore the latest information on environmental threat assessment and management and will include oral presentations of scientific syntheses and case studies as well as poster presentations.

The conference is designed to encourage meaningful exchange among those developing new knowledge and tools for threat assessment and those responsible for managing forests and rangelands. Scientists and educators, policymakers, property owners, land managers, and students are among those invited to attend.

Detailed conference information and a registration form can be found in this program and online at the conference Web site and future home of the Forest Threats Encyclopedia, www.threats.forestencyclopedia.net.

Conference Logistics

Registration Fee

The registration fee is \$220 per person, which includes conference materials, a copy of the conference papers in book form, a barbecue cookout reception catered by the conference hotel, and morning and afternoon refreshments for each of the three days of the conference. An early registration fee of \$170 is available if your registration is received by June 19. Conference registration fees are being handled by the University of Georgia, which allows you to register by fax, mail, phone, or over the Internet. Instructions are provided on the Conference Registration Form on page 6.

Individuals requesting refunds of the registration fee will be charged a \$10 processing fee if the request is received by June 19, 2006. Those received between June 20 and July 12 will be charged \$35. After July 12, they will be charged \$60. No refunds will be processed for requests received July 17 or later. Attendees may be substituted at any time at no charge.

Hotel Arrangements

The conference will be held at the Millennium Harvest House hotel. You should make your room reservations by calling (800) 545-6285 or (303) 443-3850 or by sending an e-mail to millboulderres@mill-usa.com. When making your reservations, please use the group name "Forest Threats." Doing so makes you eligible for the special conference rate of \$90 a night, the same as the federal government allowable rate and the hotel's lowest rate. Using the group name also helps the conference cover the costs of presentation rooms. *To be eligible for this special rate, you must make your reservations by Monday, June 19, 2006.*

The hotel offers fitness facilities, indoor and outdoor pools, a basketball court, 15 tennis courts (5 of which are covered), an on-site tennis coach, and bike rentals.

Transportation

Most travelers prefer to fly to the Denver International Airport. The recommended method of getting from the Denver Airport to the Millennium Harvest House hotel is by Boulder SuperShuttle. The shuttle departs Denver Airport at 10 minutes after the hour from 6:10 a.m. until 12:10 a.m. It returns from the hotel every hour from 3:45 a.m. until 9:45 p.m. Special arrangements can be made by calling Boulder SuperShuttle at (303) 227-0000 or by visiting www.bouldersupershuttle.com. The current cost is \$38.00 round-trip or \$20.00 one way.

As an alternative, you may wish to use the skyRIDE bus service. The service makes regular trips from the Denver International Airport to the Boulder Transit Center via its AB route. The current cost is \$18.00 round-trip or \$10.00 one way. For more information, visit www.rtd-denver.com.

If you plan to drive, directions from Denver International Airport to the Millennium Harvest House hotel via the toll way are: Exit the airport via Peña Boulevard to E-470 toward Fort Collins (right turn). E-470 will turn into the Northwest Parkway. Take the Northwest Parkway to US Highway 36. The toll of \$5.25 must be paid as you approach (not at the end of the toll way). Travel about 9 miles to Boulder. US 36 becomes 28th Street as you enter Boulder. The Millennium Harvest House hotel is on the left between Colorado Avenue and Arapahoe Avenue. This drive will take you about 45 minutes.

Excellent and inexpensive bus service is available for travel within the city limits of Boulder. A rental car service is located on the hotel grounds for those wishing to sightsee outside of the city.

Local Activities

Recreational activities in and around Boulder abound. Activities include air adventures, biking, fishing, golf, hiking, horseback riding, hot air ballooning, river rafting, kayaking, rock climbing, and more. The Pearl Street Mall is a fun place to visit and is within easy walking distance of the hotel. The Boulder Visitors Center maintains an excellent Web site at www.bouldercoloradousa.com with listings of events and things to do. For help with recreational arrangements beyond what is available on the Web site, contact Sheila Murray at the Convention and Visitors Center at (303) 938-2071 or by e-mail at sheila.murray@bouldercvb.com. Other information on Boulder's outdoor activities is available from the Boulder Open Space and Mountain Parks Department at www3.ci.boulder.co.us/openspace and (303) 441-3440 and the Parks and Recreation Department's Web site at <http://www.bouldercolorado.gov/>.

Accommodations

The conference organizers are committed to making this conference accessible. If you have special food, room, or meeting needs, you should contact John Pye at (919) 549-4013 or jpye@fs.fed.us as soon as possible so accommodations can be arranged.

Continuing Education Credit

Continuing Forestry Education credits will be offered. More information and an application form will be available at the conference's registration desk.

Questions and Further Help

If you have questions or require further assistance, please contact John Pye by phone at (919) 549-4013 or by e-mail at jpye@fs.fed.us, or visit the conference Web site at:

www.threats.forestencyclopedia.net

Conference Program

★: synthesis presentation
◆: case study presentation

The conference includes 3 full days of presentations. Mornings will feature plenary sessions, starting at 8 a.m. Afternoons will consist of two concurrent sessions, ending around 5 p.m. These will be followed on various days by a social, an authors meeting, and a poster session.

Monday, July 17

- Registration desk open (2 to 5 p.m.)
- Evening social and barbecue reception (5:30 to 7:30 p.m.)

Tuesday, July 18

Morning Plenary (8 a.m. to noon)

- Welcome and introduction to the threat centers (*J. Beatty*)
- Keynote (*TBA*)
- Challenges in bringing risk assessment into forest and rangeland management (*D. Lee*)
- State of the science in ecological risk assessment ★ (*V. Dale*)
- Risk and opportunity in wildland ecosystems: pests, patches, and panarchy ★ (*B. Geils & G. McDonald*)
- Conversions of forest land: trends, determinants, projections, and policy considerations ★ (*R. Alig et al.*)
- Risk-based assessment of landscape patterns at national scale (*K. Riitters*)
- The Forest Threat Encyclopedia project (*M. Rauscher & J. Pye*)

Afternoon Concurrent A—Exotic Pests (1:30 to 4:40 p.m.)

Afternoon Concurrent B—Monitoring Methods (1:30 to 4:20 p.m.)

Evening Authors Meeting (TBA)

Wednesday, July 19

Morning Plenary (8 a.m. to noon)

- Geographic surveillance of ecological risk ★ (*J. Coulston & K. Riitters*)
- Effects of scale on analyzing and managing risk to forest biodiversity ★ (*Hummel et al.*)
- Review of models for creating probabilistic risk evaluations. Part I: The usefulness of fire models ★ (*D. Weinstein & P. Woodbury*)
- An actuarial approach to modeling wildfire risk ◆ (*A. Ager & M. Finney*)
- A decision-support system for evaluating wildland fire danger and prioritizing vegetation and fuels treatments ◆ (*P. Hessburg et al.*)
- Assessing risks to multiple resources affected by wildfire and fuels treatment using an integrated probabilistic framework ◆ (*S. Norman et al.*)
- Ecological risk assessment to support fuels treatment project decisions ★ (*J. O'Laughlin*)

Afternoon Concurrent A—Native Pests (1:30 to 4:40 p.m.)

Afternoon Concurrent B—Statistical Methods / Land (1:30 to 4:40 p.m.)

Evening Poster Session (TBA)

Thursday, July 20

Morning Plenary (8 a.m. to noon)

- Economic impacts of hurricanes on forest owners ★ (*J. Prestemon & T. Holmes*)
- Review of methods for developing probabilistic risk assessments. Part II: Modeling invasive plants, pests, and pathogens ★ (*P. Woodbury & D. Weinstein*)
- Decisionmaking under risk in invasive species management: risk management theory and applications from various disciplines ★ (*S. Mehta et al.*)
- Understanding and predicting range expansion by alien forest pests ★ (*A. Liebhold et al.*)
- A multi-criteria framework for producing local, regional, and national insect and disease risk maps ◆ (*F. Krist, Jr.*)
- Assessing landscape-scale risk of bark beetle infestation: methods and experience with mountain pine beetle ★ (*T. Shore et al.*)
- Application of molecular genetic tools for threat assessment in forest ecosystems ★ (*N. Klopfenstein et al.*)

Afternoon Concurrent A—Fire (1:30 to 5 p.m.)

Afternoon Concurrent B—Air and Water / Biodiversity (1:30 to 5 p.m.)



Presentation Abstracts

A listing of all oral and poster presentations is available, along with their abstracts, on the conference Web site and future home of the Forest Threats Encyclopedia: www.threats.forestencyclopedia.net.

Conference Registration Form

Advances in Threat Assessment and Their Application to Forest and Rangeland Management
July 18-20, 2006 • Boulder, Colorado • Millennium Harvest House hotel

Four ways to register:

1. Web: www.georgiacenter.uga.edu/conferences – credit card only
2. Phone: (706) 542-2134 or (800) 884-1381 – credit card only, (Monday-Friday from 8:00 a.m. to 5:00 p.m. ET)
3. Fax: (706) 542-6596 or (800) 884-1419 – credit card only
4. Mail: Advances in Threat Assessment (#61075)
Georgia Center for Continuing Education Conference Center & Hotel
The University of Georgia
Athens, Georgia 30602-3603

Name – please print or type

Preferred name for name badge

Business mailing address, or check here if home address

City	State	Zip	County (if Georgia)
------	-------	-----	---------------------

Home phone	Work phone	Fax
------------	------------	-----

E-mail address

Position	Organization/employer
----------	-----------------------

Conference Registration

Your registration will not be processed until payment is received.

Early fee (paid by 06/19/06).....[\$170]
Fee paid after 06/19/06.....[\$220]
Total: \$ _____

Method of Payment

- Enclosed is a check payable to *The University of Georgia*.
 Enclosed is a purchase order payable to *The University of Georgia* (Federal ID No. 58-6001998) and/or an authorization letter to bill employer/organization.
- | | | | |
|--|-------------------------------|---|-----------------------------------|
| <input type="checkbox"/> MasterCard | <input type="checkbox"/> Visa | <input type="checkbox"/> American Express | <input type="checkbox"/> Discover |
| Card No. _____ | Expires ___/___ | Name on Card _____ | |
| <input type="checkbox"/> UGA Acct. No. _____ | Dept. Name _____ | | |
| Billing Contact _____ | Phone No. _____ | | |