



International Association of Wildland Fire

Facilitating *communication* and providing *leadership* for the wildland fire community

3rd Fire Behavior and Fuels Conference Beyond Fire Behavior and Fuels: Learning from the Past to Help Guide Us in the Future

Red Lion Hotel at the Park – Spokane, Washington, USA, October 25-29, 2010

Call For Papers

Event Co-Sponsors

- Joint Fire Science Program
- Wildland Fire Lessons Learned Center
- Others TBA

Target Audience

- Firefighters
- Fire and Land Managers
- Researchers and Scientists
- Resource Professionals and Specialists
- Fire Management Consultants
- Agency Fire Administrators
- Public Officials
- Academic Professors and Instructors
- University and College Students
- Members of the General Public
- Members of the Media
- Anyone who has a vested interest in dealing with wildland fire in the future

Event Format

- Monday - Educational and training workshops
- Monday Evening - Ice Breaker Reception & Exhibitor Displays
- Tuesday, Wednesday and Thursday - Combination of Plenary, Breakout and Poster Sessions
- Tuesday Evening - Film Festival
- Wednesday Evening - Conference Banquet & Award Ceremonies
- Friday - Field Trips



Vehicle and equipment used in fire behavior studies on the Harrison Experimental Forest, DeSoto National Forest, Mississippi in 1937. USFS photo.

Purpose

The 3rd IAWF Fire Behavior and Fuels Conferences will provide government and non-government staff at all levels a valuable opportunity for sharing information globally about wildland fire behavior and fuels, especially as it pertains to the physical, biological, social sciences and the field of economics.

Conference Objectives

- To create a forum where audience members can integrate with presenters across disciplines.
- To reflect on lessons learned from the past as we implement innovative and contemporary fuels management programs designed to reduce risks to communities and to improve and maintain ecosystem health.
- To provide current fire environment trends as context for benchmarking lessons learned against future challenges and increased risk to communities.
- To raise awareness of the diversity of approaches, issues and ideas in wildland fire management.
- Develop innovative ideas for management and research.
- To foster new collaborations between managers and researchers and between groups in different regions and countries.

"Further major advances in combating wildfire are unlikely to be achieved simply by continued application of the traditional methods. What is required is a more fundamental approach which can be applied at the design stage ... Such an approach requires a detailed understanding of fire behavior ..."

D. Drysdale (1998) - An Introduction to Fire Dynamics (Second edition)



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Submission of Abstracts

Submit your abstract at the IAWF 3rd Fire Behavior and Fuels Conference website:

<http://www.iawfonline.org/spokane2010/>

***We encourage oral presentations that are supported by a poster.
The deadline for submitting an abstract is 15 March 2010.***

All abstracts will be reviewed, and notification of acceptance will be made by 19 April 2010.

Contributed oral and poster papers may cover the following topics:

- Fire history, especially in the Northern Rockies and the incidence of the 1910 fires in Canada
- Human history related to evolution of wildland fire management
- How fire management policies and procedures have been shaped by historical fire events
- Disaster assessment of wildland fires
- Application of risk management to wildland fire
- Critical thinking on the 1910 fires and other wildland fire disasters
- The “art” or human element of predicting wildland fire behavior
- Case studies of prescribed and wild fires
- Fire behavior in insect-killed forests, shrublands, and blowdown fuel complexes
- Long-range forecasting of fire growth potential
- Performance evaluations of fire behavior models
- Pros and cons of physical-based models vs. empirical models
- Innovations in technology and information transfer of wildland fire research knowledge
- Decision support systems for fire and fuel management programs
- Community fire protection and wildland-urban interface success stories
- Advances in fire meteorology, including fire weather forecasting and smoke management
- Stand and landscape-scale fuel management strategies
- Economics of biomass utilization
- Public and wildland firefighter safety
- Fire suppression effectiveness in relation to fire behavior and/or fuel treatments
- Coupling fire behavior with first-order fire effects
- Changes in land-use and climatic change on fire regimes
- Use of repeat photography in elucidating fire patterns
- Historical uses of fire, including aboriginal burning
- Ecological effects of fire on fauna, flora, soils, and hydrology
- Roles of fire on landscape patterns and processes
- Evolutionary adaptations to wildland fires
- Educating the next generation of fire managers and fire researchers
- Latest updates to wildland fire behavior training
- Personalities in the wildland fire community
- Public attitudes towards and perceptions of wildland fires – past & present
- Wildland fire education for the general public
- Fire behavior and fuels information systems
- Fire behavior prediction rules of thumb
- Observations of extreme fire behavior (e. g. spotting, firewhirls, crown fires)
- Prescribed fire ignition patterns and impacts
- Use of suppression firing
- Ignition probability studies
- Ways of improving the decision-making process for prescribed fire and wildfire management