

**A CENTURY OF WILDLAND FIRE RESEARCH:  
CONTRIBUTIONS TO LONG-TERM APPROACHES FOR WILDLAND FIRE  
MANAGEMENT  
A Workshop**

Organized by the National Academies of Sciences, Engineering, and Medicine  
Board on Earth Sciences and Resources/Geographical Sciences Committee  
National Academy of Sciences Building, 2101 Constitution Avenue, NW, Washington, DC  
Monday, March 27, 2017  
NAS Auditorium

Workshop Sponsor: U.S. Department of Agriculture Forest Service

---

**PLENARY SESSION                      7:45 am – 1:00 pm**

7:45 – 8:30 a.m.            **Registration and Continental Breakfast**

8:30 – 8:35 a.m.            **Welcome and Introductory Remarks**  
Greg Symmes, Executive Director, Division on Earth and Life Studies  
National Academies of Sciences, Engineering, and Medicine  
Dar Roberts, Chair, Workshop Planning Committee

8:35 – 9:05 a.m.            **Remarks from U.S. Forest Service**  
Deputy Chief Carlos Rodriguez-Franco  
Chief Thomas Tidwell  
Diane Smith, Research Historian

9:05 – 9:10 a.m.            **Introduction of Keynote Speakers**

9:10 – 9:55 a.m.            **Fire Science's American Century**  
Stephen J. Pyne, Arizona State University

9:55 – 10:30 a.m.           **Future of Fire in the United States**  
Jennifer K. Balch, University of Colorado, Boulder

10:30 – 10:45 a.m.        **Break**

**PANEL DISCUSSIONS      10:45 am – 12:45 pm**

- 10:45 – 11:45 a.m.    **Understanding Fire: State of the Science and Research Priorities**  
Moderator: *Monica G. Turner (NAS), University of Wisconsin-Madison*  
Fire regimes and the ecological role of fire in U.S. landscapes  
*Meg Krawchuk, Oregon State University*  
Predicting and mapping fire and fire effects  
*Mark Finney, U.S. Forest Service*  
Changing environmental drivers, tipping points, and resilience in fire prone systems  
*Craig Allen, U.S. Geological Survey*  
Fire and fuels management: What works where?  
*Scott Stephens, University of California, Berkeley*
- 11:45 – 12:45 p.m.    **Living with Fire: State of the Science around Fire-Adapted Communities**  
Moderator: *Jeff Rubin, Tualatin Valley Fire and Rescue*  
Understanding the wildfire policy context: Where are we now?  
*Toddi Steelman, University of Saskatchewan*  
Community variation in relationships and response to wildland fire  
*Travis Paveglio, University of Idaho*  
Translating fire science into fire management: State of the field, challenges, and opportunities  
*J. Kevin Hiers, Tall Timbers Research Station & Land Conservancy*  
Wildland fire risk perceptions and mitigation behavior  
*Patty Champ, U.S. Forest Service*
- 12:45 – 1:00 p.m.    **Synthesis of Key Themes and Closing Remarks**  
Dar Roberts, Chair, Workshop Planning Committee
- 1:00 p.m.                **Adjourn**