



## Coalition for Advanced Housing and Forest Products Research

*Iowa State University  
Mississippi State University  
North Carolina State University  
University of Arizona  
University of Minnesota  
University of North Dakota*

### Why Combine Housing and Forest Products Research?

Because it makes sense. Housing has historically been one of the largest uses for forest products. In fact, the majority of the estimated 18 million new homes that will be built in the United States over the next decade will use wood-frame construction and a variety of wood-based products. A key element in maintaining the sustainability and health of America's forests is the development of technologies that maximize fiber utilization and ensure the most efficient use of our forest resource. Research combining housing and forest products utilization provides a dual benefit to the American public: it results in better housing while providing efficient, sustainable management of our forests.

### Coalition Research

Coalition research develops and evaluates technology needed for both new and existing housing and transportation systems and encompasses all types of structures in which wood and/or wood-based products are used as primary or secondary components.

- Improved use of traditional wood products
- Use of recycled and engineered wood composite materials
- Durability and moisture control
- Energy efficiency
- Indoor air quality and improved living environment
- Natural disaster resistance and mitigation (e.g., fire and flood)
- Wood preservation and biodeterioration
- Chemical contamination and remediation
- Deconstruction and wood reuse
- Improved construction

America needs housing that is durable, energy efficient, disaster resistant, environmentally friendly and affordable. In recognition of this need, leaders in the academic research community, along with the USDA Forest Service, Forest Products Laboratory, have formed the Coalition for Advanced Housing and Forest Products Research (CAHFPR). This Coalition brings together our nation's universities to focus on residential wood product and systems research. Further, recognizing the national importance of transportation, another focus of the Coalition will be in the area of transportation structures.

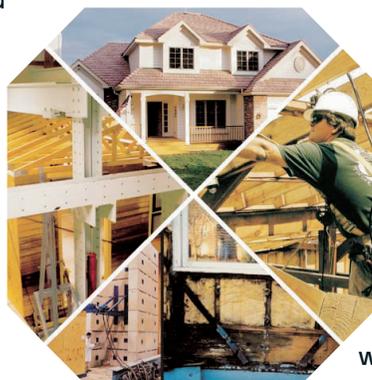
### CAHFPR

- Identifies, coordinates and executes research and development (R&D) activities that maximize the unique capabilities of the respective members
- Conducts effective and efficient R&D efforts that directly respond to the construction, financing and marketing of housing and to transportation structures
- Advocates funding to support a coordinated R&D program

### The Coalition and the Advanced Housing Research Center

The Coalition effectively functions as an extension of the Advanced Housing Research Center (AHRC) at the USDA Forest Service, Forest Products Laboratory (FPL), Madison, Wisconsin, but operates as a separate entity with the primary purpose of research and development.

The Coalition is one of several key technical advisory groups that have been empowered to make recommendations to the AHRC through an FPL Internal Housing Research Steering Committee. Therefore, the Coalition is predominantly responsible for college and university input to the AHRC.



#### *For more information, contact*

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[www.fpl.fs.fed.us/ahrc/cahfpr.htm](http://www.fpl.fs.fed.us/ahrc/cahfpr.htm)