



# SpringBoard

Maximizing Technology  
Transfer Opportunities for DOD

DEPARTMENT OF DEFENSE PARTNERSHIP INTERMEDIARY

Multimillion-dollar projects offer opportunities for DoD technologies in the energy, mining, transportation, aerospace, environmental, and forest products industries. Maximizing the benefits of being in Alaska, the SpringBoard team creates technology transfer opportunities for Department of Defense laboratories and the private sector anywhere in the nation. Working with key national industrial sectors that have significant footprints in our region, we determine the current and developing innovation needs and discover collaborative technology transfer partnership opportunities.

TECHNOLOGY  
TRANSFER

## Forest Products

### SpringBoard's Focus on Forest Products

- The forest products industry accounts for more than 7 percent of all US manufacturing output
- Southeast Alaska's rainforests and interior Alaska's boreal forests offer vast resources of highly valuable timber
- Alaska has made a major statewide investment in wood-based energy projects



PHOTO: MICHAEL PENN

Wood offers a versatile, abundant, tough and lightweight material for a wide variety of applications. Forests throughout the United States offer a major renewable natural resource for fuels, chemicals, paper, packaging, construction materials, and a wide range of other uses.

With 11.9 million acres of productive forestland and the ability to grow up to 3.5 million cords of wood a year, Alaska has the potential to develop a biomass industry that could supply cheap, abundant power to many towns.



JEDC.org

612 W. Willoughby Ave., Suite A  
Juneau, AK 99801

907-523-2300 • 907-463-3929 fax



Unique growing conditions in Alaska yield timber with high strength and few defects. New Alaska grade stamps will reflect these qualities, helping Alaska-based forest products gain recognition for their high-quality properties.

## Forest Products Technology Needs

### Biomass energy and products

- Biomass energy systems
- Sorting and extraction technologies for wood residuals
- Wood pelletizing and transportation technologies

### Fiber Recovery and Utilization

- Fiber recycling technologies
- Virgin and recycled fiber meshing and interchangeability technologies
- Process improvement technologies

### Production Systems and Energy Management

- Project management software and integration systems
- Training software
- Sustainable manufacturing technologies



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#### TECHNOLOGY TEAM

Sue Chasen, *manager*  
schasen@jedc.org

Steve Eason, *manager*  
season@jedc.org

Paul Moran, *associate*  
pmoran@jedc.org

Jason Huntsman, *associate*  
jhuntsman@jedc.org

Joshua Morrison, *liaison*  
jmorrison@jedc.org

