

# LIFE Forms

## Final Reports & Research Updates

### IAB Fall Meeting 2023

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#### Final Reports

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**M-03-PR: *Preliminary Investigation of DMDHEU-Treated Strand Board***

Student: Shane Johnson

PI: Gerald Presley and Fred Kamke | Site: OSU

IAB TC Lead: Jesse Paris

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**O-05-NE: *A Fundamental Study of Lignin Reaction with Formaldehyde(New)***

Student: Debnath Debkumar

PI: Mojgan Nejad & Tuo Wang | Site: MSU

IAB TC Lead: Sudip Chowdhury

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**M-02-PR: *In-depth Characterization of Bondlines in CLT made with Preservative- Treated Lumber***

Student: Cody Wainscott

PI: Gerald Presley and Jed Capellazzi | Site:

OSU

IAB TC Lead: Bob Breyer

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#### Research Update

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**M-04-FR: *Wax Migration***

Student: J.C. Stant

PI: Chip Frazier | Site: VT

IAB TC Lead: Jesse Paris

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#### Poster Session

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**P-02-MU: *Modeling of Edge Bending for Mass Timber Products (New)***

Student: TBD

PI: Lech Muszynski & John Nairn | Site: OSU

IAB TC Lead: Danny Way

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## Poster Session *Continuation...*

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### **P-03-PR: *Developing methods for determining maximum tolerance and mechanisms of interaction between fire retardants, preservatives, and wood adhesives (New)***

Student: TBD

PI: Gerald Presley, John Simonsen & John Nairn | Site: OSU

IAB TC Lead: Tim Zattau

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### **O-09-SC: *Near-infrared hyperspectral imaging and chemometric techniques for estimation of percent wood failure (PWF) in adhesive bonds (New)***

Student: Ighoyiwu Onakpoma

PI: L. Schimleck & L. Muszynski | Site: OSU

IAB TC Lead: Darren Riedlinger

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## Research Updates *Continuation...*

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### **I-10-FR: *Carbon Isotope Ratios, novel view of CH<sub>2</sub>O emissions***

Student: Mark Cashman

PI: Chip Frazier | Site: VT

IAB TC Lead: Todd Miller

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### **N-02-MU: *Long-term response of wood-based composites in variable climate conditions***

Student: Oluwafunbi Adeleye

PI: Lech Muszynski, John Nairn, Mariapola Riggio | Site: OSU

IAB TC Lead: Patrick Farrell

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### **O-07-PE: *Understanding the fundamental influence of wood extractives on wood (New)***

Student: Diego Cuartas

PI: S. Peresin, S. gururaja, J. Nairn, J. Simonse, C. Frazier | Site: AUB, OSU, VT

IAB TC Lead: Bob Breyer & Bill Leggate

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### **O-02-VI: *Monitoring Phenol Formaldehyde and Wax Content with Vis/Nir Smartphone Technology (New)***

Student: Seth Adusei

PI: Brian Via | Site: AUB

IAB TC Lead: Patrick Farrell

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