

Monday – November 8, 2021

9:00	Executive Committee Meeting
12:15	Registration (Bost)
1:00 -5:00	M.S. and Ph.D. Student Paper Competition (Bost Theater) and Poster Competition (Bost South)
6:00	Industry Sponsored Mixer and Steak Supper. Student Competition Awards. New faculty meet and greet. (Bull Barn)

Monday – November 8, 2021 cont.

M.S. Student Competition Section 2 cont.

3:06 Insect management in midsouth cotton production systems. **Michael Huoni**, J. Gore, W. Crow, A. Catchot, and D. Cook.

3:18 Ant diversity of southeastern crosslands: a comparative study of powerline right-of-way on the Cumberland plateau. **Zachary Brown**, and J. Hill.

3:30 The impact of founding population size on establishment success of crape myrtle bark scale. **Erika Wright**, S. Ward, and K. Chase.

3:42 The contribution of electric transmission rights-of-way to pollinator diversity on the Cumberland plateau. **Brady Dunaway** and J. Hill.

3:54 **Break (12 minutes)**

Ph.D. Student Competition Section 1

Michael Huoni, Moderating

4:06 Movement of woodwasps in international invasion pathways with an emphasis on North American ports. **Kenda Wagner**, S. Ward, A. Liebhold, E. Brockerhoff, R. Turner, and J. Riggins.

4:18 Molecular cloning of a ryanodine receptor, a target of diamide insecticide, in the soybean looper. **Sena Isbilir**, F. Musser, and S. Ahn.

4:30 Identifying coastal forests potentially in danger of baldcypress leafroller outbreaks. **Kristy McAndrew**, and S. Ward.

4:42 Ecosystem consequences of mass mortality events. **Abby Jones**, J. Goddard, M. Lashley, S. Webb, and B. Barton.

4:54 **Adjourn**

M.S. Student Competition Section 1

Abby Jones, Moderating

1:00 Welcome—Jenny Ryals, Presiding

1:06 Novel use strategies of NPVs in midsouthern cropping systems. **Judge Fortenberry**, A. Catchot, D. Cook, W. Crow and J. Gore.

1:18 Climate prediction models for redbanded stink bug. **Thomas Paul**, S. Ward, and A. Catchot.

1:30 Adult bollworm control to prevent economical yield damage in Mississippi cotton. **Brett Farmer**, J. Gore, A. Catchot, W. Crow, D. Cook, and B. Pieralisi.

1:42 'Sweet' silk glands: a glucose-conjugating enzyme is highly expressed in silk glands of moths. **Courtney Wynn** and S. Ahn.

1:54 Benefit of insecticide seed treatment on ThryvOn cotton. **Tyler Parker**, A. Catchot, J. Gore, W. Crow, D. Cook.

2:06 Determining residual and systemic activity of chlorantraniliprole in soybean. **Jacob Smith**, W. Crow, A. Catchot, J. Gore, and D. Cook.

2:18 Investigating the role of *Cimex lectularius* in *Bartonella henselae* transmission. **Afsoon Sabet**, M. Embers, E. Dalliance, S. Ward, and J. Goddard.

2:30 **Break (12 minutes)**

M.S. Student Competition Section 2

Jacob Smith, Moderating

2:42 Evaluation of soybean varieties for managing southern blight in Mississippi soybean. **Adam Connor**, T. Allen, A. Jimenez, W. Solomon, B. Burgess, and T. Wilkerson.

2:54 Impact of insects on the growth and development of cotton. **Seth Permenter**, J. Gore, W. Crow, A. Catchot, and D. Cook.

Tuesday – November 9, 2021

7:30	Registration Opens (Bost)
8:00	General Session (Bost Theater)
12:05	Awards Luncheon. Business meeting to follow. (Bost)

General Session (Bost Theater)

Tyler Parker, Moderating

8:00 Call to Order—**Jenny Ryals, Presiding**

8:05 Why haven't we managed insecticide resistance? **Fred Gould**

8:35 Socio-economic factors that influence adoption of pest resistance management practices at the community scale. **Steven Bradbury**

9:05 EPA's role in encouraging management. **Kelly Tindall**, N. Mallampalli, B. Chism, and K. Welch.

9:35 Medical effects and control of bed bugs. **Jerome Goddard**

10:05 New Faculty Showcase: Seung-Jung Ahn

10:10 New Faculty Showcase: Samuel Ward

10:15 New Faculty Showcase: Priya Basu

10:20 **Break (10 min)**

Brett Farmer, Moderating

10:30 New Faculty Showcase: Olabimpe Okosun

10:35 New Faculty Showcase: Justin George

10:40 New Faculty Showcase: Michael Goblirsch

10:45 Honey bee cell culture as a tool for toxicology research. **Michael Goblirsch**.

11:00 New Faculty Showcase: Kaitlin Baudier

11:05 Thermal adaptation of the Mexican paper wasp in the southeastern United States. **Kaitlin Baudier** and F. More-Kepfer Uy

Graduate Poster Competition

1. Determining chlorantraniliprole translocative activity in cotton flowers. **Jacob Smith**, W. Crow, A. Catchot, J. Gore, and D. Cook.
2. Can a tree anticipate fire? Evidence of nutrient translocate ion in response to smoke in east African ant acacia. **Clayton Ziemke**.

Tuesday – November 9, 2021 cont.

11:20 Progress toward an inventory of the ants of Santa Barbara County, California. **Zach Brown**, E. Tan and K. Seltmann.

11:35 Deployment of real-time genomic surveillance methodologies for emerging and evolving pathogens. **Kurt Showmaker** and B. Martin.

11:50 Mississippi Bug Blues—Outreach education highlights 2020-2021. **Beverly Keasler**, J. Seltzer, J. Hill, J. Gesell, and A. Baker.

12:05 Awards Luncheon (Bost South)

Business Meeting

TBD At the Conclusion of the Awards Luncheon.
JoVonn Hill. Presiding

General Posters

- 1 Observations of thermotaxis in the tawny crazy ant at the microhabitat level. **David Cross** and M. Caprio
- 2 Results of exotic insect pest trapping surveys conducted by the Mississippi Entomological Museum in 2020-2021. **Jordan Gesell**, J. Seltzer, and J. Hill.
- 3 Results from the regional screening center of the USDA-APHIS for the 2020-2021 exotic pest surveys including new county records. **Matthew Thorn**, J. Seltzer, and J. Hill.
- 4 Effects of mating duration and nutrition on oviposition activation fecundity on small hive beetle. **Audrey Sheridan**, E. Johnson, and J. Harris.
- 5 Evaluation of seed treatments in cotton to control tobacco thrips in Mississippi. **Dung Bao**, A. Catchot, D. Cook, W. Crow, J. Gore, C. Speights, and J. Smith.
- 6 Mississippi Bug Blues—Virtual outreach in response to COVID-19 in 2020-2021. **Beverly Keasler**, J. Seltzer, J. Hill, J. Gesell, and A. Baker.

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10th Annual

Mississippi Entomological Association



Mississippi Association of Plant Pathologists and Nematologists



Meeting
November 8-9, 2021

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