

S1073 Annual Meeting and Symposium– Southeastern Branch Meeting – Entomological Society of America, Mobile, AL

The business meeting was on Sunday March 3rd, 2019, and the symposium Biological Control of Arthropod and Weed Pests in the Southern United States was on Tuesday March 5th, 2019. The organizers of the symposium were the chair of the group Dr. Jason Schmidt from University of Georgia and the secretary of group Dr. Rodrigo Diaz from LSU. The talks were given by members of the group.

Business Meeting

Sunday, March 03, 2019. Renaissance Mobile Riverview Plaza Hotel – Mobile Bay I & II

Attendance: Rodrigo Diaz from LSU; Jose Carlos Verle Rodrigues from University of Puerto Rico, Martha A. Mutschler-Chu from Cornell University, James Cuda from University of Florida, Michael Grodowitz from USDA-ARS, Jemore Grant from University of Tennessee, Kristopher Giles from Oklahoma State University, JC Chong from Clemson, Norm Leppla and Oscar Liburd from University of Florida, Carmen Blubaugh from Clemson, and Jason Schmidt from UGA.

1. Welcome remarks from Oscar Liburd, President of ESA-SEB.
2. Call to Order: Jason explained the purpose of S1073 group.
3. Introductions: Everyone in attendance introduced themselves.
4. Minutes of 2018 meeting: Jason offered to read the full minutes from the 2018 meeting. Rodrigo made a motion that the reading of the minutes should be approved and submitted without reading Martha seconded the motion. The motion passed.
5. Membership: Jason encouraged everyone to bring more participants to the group. Jason mentioned that the report to the Hatch project might be different for each university.
6. Proposed Mission/Impact Statement of the Group: Jason highlighted the importance of developing an Impact Statement (IS). The IS can include examples of successful programs at the local and multistate levels. Jim Cuda mentioned some examples of templates. Kristopher Giles could provide with examples too. We need to contact our administrator for advice and recommendations. Carmen Blubaugh prepared the following statement during the business meeting: “The S1073 groups meets periodically to catalyze and synergize regional efforts to develop and implement successful biological control program in the Southeastern United States. Our network spans natural systems to agriculture, and we aim to bridge gaps between diverse disciplines to promote stable and resilient communities of natural enemies that limit damage inflicted by weed and arthropod pests.”
7. Logo of the S1073 group: Jason suggested having a group logo will help with communications and promotion of the group. Jose Verle volunteered a person from University of Puerto Rico. Any ideas for this logo should be sent to Jason Schmidt. Ideas included ‘interactions’. Once we have the Mission Statement finalized, this can be used to develop the logo.
8. Annual Reports: Participants were motivated to see Jim Cuda’s report. We need to check NIMSS page and determine the categories. Check space provided and structure, then this will be easy to assemble and upload.

9. General Discussion: Norm Leppla suggested why our group is important, especially the interaction among members. The new SSARE project funded of Jason and Martha was mentioned as an example of a successful synergy among members. Martha mentioned the importance of inviting people from other disciplines to join the group. Jim Cuda encouraged to read a publication about 'what happened to IPM'. The conversation continued about how to incorporate other management strategies including host plant resistance in an IPM program. Jerome suggested to highlight the impact of each member.
10. Next meeting location: There was a suggestion to expand the time of the business meeting, ask for 2 h at least. The current arrangement of 2 h business meeting and 4h symposium seems to work. Jason asked for volunteers to prepare talks for the next meeting. Jim Cuda will give the first talk on the basics of biological control.
11. Officer nominations and elections: Martha proposed that the officers will remain the same for the next year. Nomination passed. Jason Schmidt and Rodrigo Diaz will remain as chair and secretary of the group respectively.
12. Reports and participation: We need to reach out to other states to get reports. Jason needs help with contacts in Texas. Norm Leppla suggested doing a Virtual Meeting to increase participation. In addition, we need to invite a representative of the Federal Government, we need to contact our Administrator, Robert Nowierski. We need to work to bring our Administrator to our meetings.
13. Ideas for next Symposium: We need an Ag Economist to give a talk on how to do an economic impact of a biological control program. Rodrigo will invite Dr. Jerrod Penn from LSU. Invite Robert Nowierski. There as a panel discussion about 'what is biological control', several ideas were proposed as talks for the symposium.
14. Meeting adjourned: No other business was discussed. Jose Verle moved to adjourn the meeting at 12:45. Seconded by James Cuda. Motion passed.

Symposium

Tuesday, March 05, 2019. Renaissance Mobile Riverview Plaza Hotel - Schooner Suite

- 1) Introductory Remarks-Jason Schmidt/Rodrigo Diaz
- 2) Biological control of weeds updates from Florida. Eutyclus M. Kariuki and Carey Minter, University of Florida, Fort Pierce, FL
- 3) Biological control of Brazilian peppertree in Florida. Patricia Prade¹, Carey Minter¹ and James Cuda², ¹University of Florida, Fort Pierce, FL, ²University of Florida, Gainesville, FL.
- 4) Biological control of air potato in Louisiana: Will augmentation be needed for success? Veronica Manrique¹ and Rodrigo Diaz², ¹University of Florida, Fort Pierce, FL, ²Louisiana State University, Baton Rouge, LA.

- 5) The impact of the plant fungal pathogen, SPFG, on *Cyrtobagous salviniae* (Calder & Sands) (Coleoptera: Curculionidae), a biological control agent of *Salvinia molesta*. Michael Grodowitz¹, Brad Elliott¹ and Rodrigo Diaz², 1USDA - ARS, Stoneville, MS, 2Louisiana State University, Baton Rouge, LA
- 6) Improving biological control of giant salvinia (*Salvinia molesta*) under climate extremes. Rodrigo Diaz and Lori Moshman, Louisiana State University, Baton Rouge, LA
- 7) Biocontrol food webs in GA commodities: A molecular approach. Jason Schmidt¹, Carson Bowers¹, Ashfaq Sial², Michael Toews¹ and Dawn Olson³, 1University of Georgia, Tifton, GA, 2University of Georgia, Athens, GA, 3USDA - ARS, Tifton, GA
- 8) Potential utilization of *Stethorus punctillum* to control *Tetranychus cinnabarinus* on strawberry in greenhouses and high tunnels. Eric Riddick, USDA - ARS, Stoneville, MS.
- 9) Managing Asian citrus psyllid (*Diaphorina citri*) using predators and parasitoids in commercial citrus production systems. Jawwad Qureshi, University of Florida, Immokalee, FL
- 10) Leveraging entomopathogenic nematode movement for improved biological control. Camila Oliveira-Hofman¹, Shaohui Wu², Fatma Kaplan³, Edwin Lewis⁴, Paul Schliekelman⁵ and David Shapiro-Ilan¹, 1USDA - ARS, Byron, GA, 2University of Georgia, Tifton, GA, 3Pheronym, Inc., Gainesville, FL, 4University of Idaho, Moscow, ID, 5University of Georgia, Athens, GA.
- 11) Greenhouse evaluation of the compatibility of cyflumetofen with *Amblyseius swirskii* and *Phytoseiulus persimilis*. Juang-Horng Chong, Clemson University, Clemson, SC
- 12) Risks and benefits of weed diversity for conservation biological control of crop pests
Carmen Blubaugh and Melina Madden, Clemson University, Clemson, SC.
- 13) *Ephestia kuehniella* larval diets affect the quality of host eggs and *Trichogramma brassicae*. Yasaman Moghaddasi¹, Norman Leppla¹, Paul Shirk² and Alexander Gannon¹, 1University of Florida, Gainesville, FL, 2USDA - ARS, Gainesville, FL.
- 14) Do Acylsugars affect impact biocontrol insects as well as plant pests? Martha A. Mutschler and John Smeda, Cornell University, Ithaca, NY.
- 15) Concluding Remarks