

Entomological Society of America Plant-Insect Ecosystems Section

April 2019 Newsletter

<http://www.entsoc.org/pie>



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Meet Early-Career Professional Representative on
the Governing Council, Nick Larson



Dr. Nicholas Larson currently holds a joint appointment as a Research Associate/Post-Doc between Towson University and the USDA Invasive Insect Biocontrol & Behavior Lab in Beltsville, MD. His current work involves toxicological analysis of naturally occurring compounds

on agricultural and human pests. He received his Ph.D. in Entomology from Virginia Tech in 2017 where his work focused on the manipulation of honey bee foraging behavior through utilization of repellent chemistries. Nicholas received his B.S. in biology from the University of Central Florida and his M.S. in entomology from the University of Florida. He joined ESA in 2016, and has been an active member at both the national and Eastern branch meetings. He served in several leadership roles while attending school and he looks forward to continuing his volunteer work by serving as the P-IE representative on the Early Career Professionals Committee.

Update on Pest Resistance Management Science Policy Field Tour, 2019

The dates are set! The Pest Resistance Management Science Policy Field Tour will be held August 6th and 7th in Iowa. The P-IE and PBT sections of the ESA are co-sponsoring the tour with the Weed Science Society of America (WSSA). Both societies are working with the Iowa Pest Resistance Management Plan project (<https://www.ipm.iastate.edu/about-the-iprmp>) to build the tour agenda. Field tours and speakers will review and demonstrate the value local communities can have on the implementation (adoption by farmers) of resistance management and Integrated Pest Management (IPM). The goal is to sustainability manage pests in our field cropping systems by improving adoption of resistance management and best management practices. Our intentions are to enable tour attendees (national, state/regional, and local) to influence their associated organizations in developing or designing initiatives that favor local communities solving pest resistance issues. We are limited on the number of slots we have available and therefore, during the month of May, we will be accepting applications to attend this tour. Both the P-IE and PBT sections will be sending an Early Career Professional as well as a graduate student interested in the covered topics. We hope that those ESA members attending will be strong societal advocates for future science policy that will improve the adoption of resistance management and IPM. Be on the lookout for more information!

New P-IE Tour Oversight Committee

The P-IE Governing Council (GC) has created a new Tour Oversight Committee to facilitate communication with and oversight by ESA staff and the P-IE GC and to improve efficiency of preparation for tours or workshops. This two-person committee will guide and assist the organizers of new events. The first set of committee members will be Johanna Elsensohn and Thomas Anderson, who are alumni of the ESA's Science Policy Fellow Program. In April 2020, we will request nominations for a P-IE member to start a 2-year term on this committee in summer 2020 to replace either Johanna or Tom.

Summer Elections Announcement

The following positions are available within the P-IE section:

- P-IE Governing Council, VP Elect (4-year term)
- P-IE Governing Council, Secretary (3-year term)
- Early Career Professional Representative to the P-IE Governing Council (2-year term)

May 31, 2019 is the deadline to submit nominations, or nominate yourself. Please visit the [online nomination submission form](#) or contact [Jeff Bradshaw](#) with your interest in running for one of these P-IE positions.

Annual Meeting P-IE Networking Session

Plan to join your P-IE colleagues and friends at the annual meeting P-IE networking session on the afternoon of Monday, November 18. The session will include two engaging activities: 1) speed-networking and 2) hot topic discussions. A presentation on the outcomes and lessons learned on pest resistance management at the 2019 Science Policy Field Tour in Nebraska and Iowa this summer will follow the business meeting and award presentations. As always, there will be pie and beverages. The two active-learning events will run concurrently with open networking and refreshments. Plan to participate and enjoy the company of your fellow P-IE members.

Speed-networking

We are looking for P-IE members who would be interested in facilitating small-group conversations around research or engagement topics related to plant-insect ecosystems for which your company, organization, institute, or lab are seeking applicants for employment. Think of the activity as an “interactive job board”. The deadline is September 30. Depending on interest, the number of entries may be limited (based on order of submission) based on available space. If you are interested in facilitating a table, submit proposals to Jeff Bradshaw, jbradshaw2@unl.edu.

Hot Topics

We are looking for P-IE members who would like to be responsible for initiating small group discussions. Tables or areas will be designated for members to gather and debate issues related to Plant-Insect Ecosystems. The topics can be fun, useful, unusual or simply intellectual. So far, we have three proposals. If we get more than 10 proposals, the GC will select those of highest interest. The deadline is September 30. Submit ideas to David Onstad, dwonstad@gmail.com.

Call for ESA Annual Meeting Judges and Moderators

Please support your Section by volunteering to judge or moderate P-IE student competitions and contributed paper sessions at the Annual ESA Meeting in St. Louis, MI, in November. Please

contact Diane Alston (diane.alston@usu.edu) if you would like to volunteer – please include “ESA volunteer” in the subject line. Your contributions as voluntary judges and moderators are very important to the success of our student competition and symposia sessions.

2019 P-IE Award Deadlines

Reminders for upcoming P-IE award nomination deadlines:

- May 1
 - Undergraduate Student Achievement in Entomology Award
- June 1
 - Kenneth and Barbara Starks Plant Resistance to Insects Graduate Student Award
 - Master’s Student Achievement in Entomology Award
- July 1
 - Lifetime Achievement Award in Entomology
 - Recognition Award in Entomology
 - Integrated Pest Management Team Award

Visit the ESA Awards webpage for more information: <https://www.entsoc.org/about/awards-honors>

P-IE Section Symposia in St. Louis

The following Section symposia were selected for inclusion in the annual meeting program. Plan to attend ESA 2019 in St. Louis and participate in sharing and learning with your P-IE colleagues.

Advocacy in Action: Tackling Invasive Species through Collaboration, Policy, and Public Engagement

Organizers: Jocelyn R. Holt, Meredith Spence Beaulieu, Lina Bernaola, Molly Darlington, and Rebecca Zimler

Advocating for Coexistence of IRM and IPM

Organizers: Graham P. Head, Caydee Savinelli, Tony Burd, Adrian Duehl, John Immaraju, Scott Ludwig, Hector E. Portillo, and Diane Reynolds

Advocating for Endangered Insect Species - Policy, Science, Tools and Practical Considerations

Organizers: Pamela Bachman, Caydee Savinelli, and Tony Burd

Advocating for Entomological Solutions to the Grand Challenge of Global Food Security in the 21st Century

Organizers: Hannah Quellhorst and William Morrison

Advocating for Entomology from the Air: Innovative Applications of Drone Technology in Entomological Research and Pest Management

Organizers: Angelita Acebes-Doria and Carey Minter

Advocating for Forest Entomology through Teaching and Extension

Organizers: Kayla I. Perry, Rachel Arango, and Jessica Hartshorn

Advocating for IPM in a Dynamic Agricultural World

Organizers: Heather Leach and Ashley Leach

An Advocate for Biological Control: Honoring the Career of Dick Reardon

Organizers: Joseph Elkinton and David Wagner

"Callows" and "Pre-imaginal" Professionals of Pollination Research

Organizers: Nicholas Anderson, Jonathan Tetlie, and C. Scott Clem

Charles Valentine Riley: Founding Advocate for Entomology

Organizers: Donald C. Weber and Carol Anelli

Generalist Arthropod Biological Control Agents: Effective, But Are They Safe?

Organizers: David A. Andow and Debora Pires Paula

How to Speak for the Pollinators? Using Big Data to Manage and Conserve Pollinator Communities

Organizers: Christina M. Grozinger and Melanie Kammerer

Improving Honey Bee Health During Crop Pollination

Organizers: Marta Guarna, Meghan Milbrath, and Jeffrey Pettis

Invasion of the Spotted Lanternfly, *Lycorma delicatula*, in North America

Organizers: Kelli Hoover and Julie Urban

The Larry Larson Symposium: Fall Armyworm, *Spodoptera frugiperda* (J.E. Smith), Invasion in Africa and Asia: A Cooperative Effort to design Integrated Pest Management Programs

Organizers: Luis Gomez, Boris Castro, and Amanda Jacobson

Transmission Ecology of Vector-borne Phytopathogen

Organizers: Ordombrian Huot and Yesenia Ithaí Ángeles-López

Using Integrated Observational, Mechanistic, and Experimental Research Approaches to Drive Conservation Decisions: Lessons from Butterfly Species in Peril

Organizers: Kelsey E. Fisher and Victoria Pocius

Call for 2020 Science Policy Field Tour or Workshop Proposals

It may seem early, but the P-IE Governing Council would like to encourage members to start planning science policy field tours, workshops, or other activities that engage our members in the science policy arena for 2020. **The deadline for 2020 proposals is August 15, 2019.** The new P-IE Tour Oversight Committee (see description above) along with the Governing Council will review and select one or two proposals for funding in 2020.

P-IE Governing Council

Diane Alston, President, diane.alston@usu.edu

Jeff Bradshaw, Vice President, jbradshaw2@unl.edu

David Onstad, Vice President-Elect, dwonstad@gmail.com

Rebecca Schmidt-Jeffris, Secretary, rebecca.schmidt@usda.gov

Lily Calderwood, Treasurer, lily.calderwood@maine.edu

Mark G Wright, Past President, markwrig@hawaii.edu

Melissa Willrich Siebert, ESA Governing Board Representative, melissa.siebert@corteva.com

Anh Tran, Student Representative, aktran@umn.edu

Nicholas Larson, Early-Career Professional Representative, nicholas.larson@ars.usda.gov