

Entomological Society of America

Plant-Insect Ecosystems Section

March/April 2018 Newsletter

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



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P-IE and SysEB Invasive Species Science Policy Tour

The P-IE and SysEB endorsed science policy study tour, “Invasive Species Security: Protecting Our National Health, Food Supply, and Environment”, is now open for applications to participate. Please see the [Invasive Species Field Tour website](#) for further details.

This field tour aims to assemble private and public-sector scientists, government representatives, science policy advocates, and policymakers to provide a first-hand understanding of the processes that underlie new species arrivals, establishment, spread, and invasive impact. We will visit the spotted lanternfly quarantine zone to view the damage and spread of this new invasive

pest, and also discuss the significance and management of other invasive species. The tour seeks to understand the resources needed to improve prevention, early detection, rapid response, and the potential for eradication. Additionally, we plan to use the tour to leverage public education and outreach strategies to inform stakeholders about the impact of invasive species and actions that we all can take to slow their occurrence and spread.

Contact [Tom Anderson](#) for further details.

P-IE Student Symposium at Annual ESA Meeting

The First Ever P-IE Student Symposium: The ESA 2018 Annual Meeting in Vancouver will host the first ever “P-IE Student Symposium”. This year our young members will coordinate the symposium titled “Pollinator and Invasive Species Science Policy Field Tours: A Melting Pot of Efforts Promoting Protection of our Food Supply”. This symposium will recap knowledge and experiences gained from the tours and build upon the two P-IE initiatives: Science Policy Field Tours about Pollinators. The 2018 tours will bring together scientists from academia and private sectors, government representatives, science policy advocates, and policymakers to talk and understand key actions and resources to promote pollinator health and counteract effects of invasive species. This symposium aims to share with our members the main lessons and achievements from both tours, and parallel endeavors in our Society on pollinator health and invasive species.

Graduate students who would like to participate in organizing/moderating the symposium should contact [Carlos J. Esquivel](#).

P-IE Position Vacancies – Committee Representatives and Governing Council

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

- P-IE Governing Council, VP Elect;
- P-IE Governing Council, Student Affairs/Representative to GC (student member);
- Representative to the Governing Board/ESA Certification Corporate GB;
- American Entomologist Editorial Board
- Environmental Entomology Editorial Board (2 positions)
- Thomas Say Editorial Board.

May 31, 2018 is the deadline to submit nominations, or nominate yourself for these roles. Please visit the [online nomination submission form](#). Contact [Diane Alston](#) with your interest in running for one of these P-IE positions.

Submit Questions and Comments on Proposed ESA Bylaw Updates

[Submit Your Questions and Comments on Proposed Updates to ESA Bylaws](#)

Your input is needed to help shape the future of the Entomological Society of America! With the goal of making the Society more nimble, inclusive, and purposeful in its leadership development, a task force of ESA members has published an outline of preliminary proposals for updates to the ESA Bylaws that would grant greater autonomy and decision-making authority to ESA's Committees, Sections, Branches, and Governing Board. Now, the task force and Governing Board seek member input on these preliminary proposals before specific revisions are drafted. (Formal Bylaws changes would then be subject to member vote in Summer 2018.) [Learn more about the proposed Bylaws updates](#), [submit your comments and questions](#), and [read a Q&A about the proposed bylaws updates](#).

Call for Judges and Moderators

Please support your Section by volunteering to judge or moderate P-IE student competitions and contributed paper sessions at the Joint Annual ESA Meeting in Vancouver, BC. Please contact [Mark Wright](#) 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.

P-IE Section Awards

Please note the following deadlines for submitting P-IE award nominations:

- Undergraduate Award – May 1, 2018

- Graduate Awards – June 1, 2018
- Professional Awards – July 1, 2018

Please visit the [P-IE Awards website](#) for more information.

P-IE Symposia Selected for Joint ESA Annual Meeting.

A Changing World: Biotechnology and the Future of Pest Control

Organizers: Raul Medina and Jennifer Kuzma

Bugging Insects: Methods and Applications of Sensor-Based Monitoring of Insect Colonies and Populations

Organizers: William Meikle, John Adamczyk, and Mohamed Alburaki

Crossing Borders: Global Collaborations to Combat Forest Insect Pests

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

Crossing International Borders: Foreign Exploration and Classical Biological Control of Invasive Pests

Organizers: Houston Wilson, Kent Daane, Peter Mason, and Mark S. Hoddle

Crossing New Frontiers in Conservation Biological Control

Organizers: Lessando Gontijo and William Snyder

Current Research and Future Perspectives on Native and Invasive Buprestid Pests in North America and Europe

Organizers: Christiane Helbig, Michael Müller, and Krista Ryall

Ecology and Evolution in Novel Species Interactions

Organizers: Chandra Moffat and Michael Stastny

Environmental Risk Assessment of Genetically Modified Crops and Insects: Lessons Learned from the Past and Next Steps in a Changing World

Organizers: Tony Shelton, Jörg Romeis, and Ana Vélez

Flight of Ideas: Various Methods for Monitoring Insect Movement across the Landscape

Organizers: Kevin Rice and James Hagler

From Genes to Communities: Quantifying Diverse Responses of Pollinators to Multiple Anthropogenic Stressors

Organizers: Daniel Cariveau and Margarita López-Urbe

From Researcher to Stakeholder: Using Extension to Cross Borders in a Changing World

Organizers: Rebecca Schmidt-Jeffris, David Coyle, and Jeffery Bradshaw

How Crop Diversification across Space and Time Influences Herbivory

Organizers: Randa Jabbour, Kathryn Ingerslew, and David Gonthier

Impact of Borders on Managing Insect Resistant Management

Organizers: Scott Ludwig, Caydee Savinelli, Graham P. Head, and Peter Porpiglia

Invasion Ecology, Population Dynamics and Sustainable Management of the Emerald Ash Borer

Organizers: Krista Ryall, Leah S. Bauer, Jian Duan, Clifford Sadof, and Chris MacQuarrie

Let's Do Something! Implementing Collaborative Solutions for Pollinators in the Agricultural Landscape

Organizers: Keri Carstens and Caydee Savinelli

Monitoring and Managing Agricultural Insects Crossing Borders

Organizers: Julien Saguez, Tyler Wist, Megha Parajulee, and Isabelle Fréchette

Practical Applications of Research on Parasite Manipulation of Hosts and Vectors

Organizers: Kerry Mauck, Sanford Eigenbrode, and Quentin Chesnais

***Rhynchophorus* Weevil: A Global Threat Beyond Borders**

Organizers: Aziz Ajlan, Khalid Alhudaib, Abdulaziz Mohamed, J. R. Faleiro, Shoki Al-Dobai, and Study Group "Integrated Protection of Date Palms" (SG IPDP)

Stressors Across Space and Time: Energy Sources, Enemies, and Environmental Influences

Organizers: Ruud Schilder, Sara Hermann, and Jared Ali

Student Symposium: Pollinator and Invasive Species Science Policy Field Tours: A Melting Pot of Efforts Promoting Protection of our Food Supply

Organizer: Carlos Esquivel

The Gypsy Moth (*Lymantria dispar* L.) at 150: Contributions to the Development of Invasion Ecology

Organizers: Dylan Parry and Patrick Tobin

Zombies Are Real! Entomopathogens Manipulate Their Hosts in Bizarre Ways

Organizers: Donald C. Steinkraus and Ann E. Hajek

P-IE Governing Council

Mark G Wright, President, markwrig@hawaii.edu

Diane Alston, Vice-president, diane.alston@usu.edu

Jeff Bradshaw, Vice-president Elect, jbradshaw2@unl.edu

Rebecca Schmidt-Jeffris, Secretary, rschmi3@clemson.edu

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

Melissa Willrich Siebert, Past President, mwillrichsiebert@dow.com

Sujaya Rao, ESA Governing Board Representative, sujaya@umn.edu

Carlos Esquivel, Student Representative, esquivelpalma.1@buckeyemail.osu.edu