

VIRTUAL SYMPOSIUM

SPOTTED LANTERNFLY

Featuring the latest research on this invasive insect, sponsored by the SCRI spotted lanternfly group

10 AM - 3:45PM
MAY 15, 2020



Image: P. Coffey

This spotted lanternfly SCRI symposium is open to all and registration is not necessary to attend. This symposium will be recorded and posted on our SCRI SLF project website, StopSLF.org. Questions from the audience are encouraged. We hope to see you there!

Time	Presentation
10:00 – 10:05	Welcome and introduction: Julie Urban , Penn State
10:05 – 10:20	Developing behaviorally appropriate monitoring tools for <i>Lycorma delicatula</i> . Laura J. Nixon , USDA-ARS; Co-Authors: Heather Leach, Caitlin Barnes, Julie Urban, Danielle M. Kirkpatrick, Dalton C. Ludwick, Brent Short, Douglas G. Pfeiffer, and Tracy C. Leskey.
10:20 – 10:35	Detection rates of spotted lanternfly in vineyards, a comparison of eDNA and visual survey methodologies . Donnie Peterson , Rutgers University; Co-Authors: Michael C. Allen, Anne L. Nielsen, Donnie L Peterson, Julie L. Lockwood.
10:35 – 10:50	SLF egg mass distribution in wooded habitats . Katarzyna Madalinska , Rutgers University; Co-Authors: Anne L. Nielsen.
10:50 – 11:05	Dispersion patterns and sample size estimation for spotted lanternfly egg masses . Joe Keller , Penn State; Co-Authors: Dennis Calvin.
11:05 – 11:20	<i>Presentation withdrawn - BREAK</i>
11:20 – 11:35	Grapevine responses to increasing spotted lanternfly population density in 2019 . Andrew Harner , Penn State; Co-Authors: Michela Centinari, Lauren Briggs, Heather Leach, and Julie Urban.
11:35 – 11:50	Spotted lanternfly development and reproduction without access to tree of heaven . Anne Johnson , Penn State; Co-Authors: Osariyekemwen Uyi, Joe Keller, David Long, Brian Walsh, and Kelli Hoover.
11:50 – 12:05	Fungal communities and sooty mold on SLF-infested <i>A. altissima</i> . Mariam Taleb , Penn State; Co-Authors: Julie Urban.

12:05 – 12:20	Flight dispersal capabilities of adult spotted lanternflies. Michael Wolfin , Penn State; Co-Authors: Tom Baker, Andy Myrick.
12:20 – 12:35	Spatial patterns and preference of spotted lanternfly oviposition. Lauren Briggs , Penn State; Co-Authors: Heather Leach.
12:35 – 1:00	Lunch Break
1:00 – 1:15	Spatial-temporal model for <i>L. delicatula</i> spring egg hatch. Erica Smyers , Penn State; Co-Authors: Andrew Dechaine, Doug Pfeiffer, Dennis Calvin, Julie Urban.
1:15 – 1:30	Nymphal spotted lanternfly responses to temperature. Devin Kreitman , Rutgers University; Co-Authors: George Hamilton, Anne Nielsen, Melody Keena.
1:30 – 1:45	Mathematical modeling of SLF population dynamics. Stephanie Lewkiewicz , Temple University; Co-Authors: Sebastiano De Bona, Matthew Helmus, Benjamin Seibold.
1:45 – 2:00	Mapping the spread of SLF: a data science approach. Sebastiano De Bona , Temple University; Co-Authors: Matthew Helmus.
2:00 – 2:15	Diversity of <i>Beauveria</i> fungi infecting spotted lanternfly populations. Eric Clifton , Cornell University; Co-Authors: Louela Castrillo, Ann Hajek.
2:15 – 2:30	Developing a rearing method for <i>Dryinus sinicus</i> , a potential biological control agent of spotted lanternfly. Liam Sullivan , APHIS PPQ S&T Otis Laboratory; University of Massachusetts, Amherst; Co-Authors: Juli Gould, Hannah Broadley.
2:30 – 2:45	Non-target rearing techniques for SLF biocontrol testing Part 1: Auchenorrhyncha and Reduviidae. Tyler Hagerty , University of Delaware.
2:45 – 3:00	Non-target rearing techniques for SLF biocontrol testing Part 2: Other Hemiptera, Lepidoptera, and Mantodea. Alana Russell , University of Rhode Island; Co-Authors: Alex Baranowski, Lisa Tewksbury, Hannah Broadley, Juli Gould.
3:00 – 3:15	Footprints and ootheca of <i>Lycorma delicatula</i> influence host-searching and-acceptance of the egg-parasitoid <i>Anastatus orientalis</i> . Robert Malek , University of Trento; Co-Authors: Joe M Kaser, Hannah J. Broadley, Juli Gould, Marco Ciolli, Gianfranco Anfora and Kim A. Hoelmer.
3:15 – 3:30	Behavioral response of the parasitoid <i>Anastatus orientalis</i> to chemical traces left by spotted lantern fly and non-target adults. Joe M. Kaser , USDA-ARS Beneficial Insects Introduction Research Unit; Co-Authors: Tyler Hagerty; Miriam F. Cooperband; Hannah J. Broadley; Juli R. Gould; Charles Bartlett, Kim A. Hoelmer.
3:30 – 3:45	Wrap-up and final questions