

TUESDAY AFTERNOON, JANUARY 14, 2020

**POSTER SESSION – POWERHOUSE, 3RD FLOOR
3:00 – 6:00 PM**

WEDNESDAY MORNING, JANUARY 15, 2020

**OPENING SESSION, BALLROOM
8:15 a.m. – 12:00 p.m.**

Moderator

Therese Poland

USDA Forest Service, NRS, Lansing, MI

8:15 a.m. Welcome - Michael McManus, Emeritus
Scientist, USDA Forest Service, Hamden, CT

Opening Keynote Presentations

8:30 a.m. Ready, fire, aim: millions for technology, no
impact on forest health. Jeanne Romero-
Severson, University of Notre Dame, South
Bend, IN

9:15 a.m. Emerging species and new tools to forecast
future insect invasions. Alain Roques,
INRA, Orléans, France

10:00 – 10:30 a.m. **BREAK**

Research Reports

10:30 a.m. – 12:00 p.m.

Moderator:

Therese Poland

USDA Forest Service, NRS, Lansing, MI

- 10:30 a.m. International symbiosis: how you can benefit from collaborative research on emerging forest pests. Jiri Hulcr, University of Florida, Gainesville, FL
- 10:50 a.m. Native wood-boring beetles trapped at ports-of-entry can help target likely invaders. Davide Rassati, University of Padova, Padova, Italy
- 11:10 a.m. Non-native forest pest invasion hot spots. Samuel Ward, Purdue University, West Lafayette, IN
- 11:30 a.m. Genesis of the “Slow the Spread” gypsy moth program. William Ravlin, Michigan State University, East Lansing, MI

12:00 – 1:00 p.m. **LUNCH**

WEDNESDAY AFTERNOON, JANUARY 15, 2020

1:00 – 3:00 p.m.

Recent Findings in Gypsy Moth Population Ecology

Moderator:

Joseph Elkinton

University of Massachusetts, Amherst, MA

- 1:00 p.m. Candidate genes for female flight ability in Asian gypsy moths. Gwylim Blackburn, Natural Resources Canada, Pacific Forestry Centre, Victoria, B.C., Canada
- 1:20 p.m. Adaptation and stasis in critical life history traits across the North American range of gypsy moth. Dylan Parry, Syracuse University, Syracuse, NY
- 1:40 p.m. *Entomophaga maimaiga* in Europe. Ann Hajek, Cornell University, Ithaca, NY
- 2:00 p.m. Drivers of spatial synchrony of gypsy moth outbreaks. Kyle Haynes, University of Virginia, Boyce, VA

2:20 p.m. Historical analyses of gypsy moth outbreaks in New England. Andrew Liebhold, USDA Forest Service, Morgantown, WV

2:40 p.m. Collapse of the recent gypsy moth outbreak in New England. Joseph Elkinton, University of Massachusetts, Amherst, MA

3:00-3:30 p.m. **BREAK**

WEDNESDAY AFTERNOON, JANUARY 15, 2020

RESEARCH REPORTS

3:30 – 5:00 p.m.

Moderator

Andreas Linde

University for Sustainable Development,
Eberswalde, Germany

3:30 p.m. The emergence of beech leaf disease in Ohio: probing the plant microbiome in search of the cause. David Burke, Cleveland Botanical Garden, Cleveland, OH

3:50 p.m. Balsam woolly adelgid population genetics. Nathan P. Havill, USDA Forest Service, Hamden, CT

4:10 p.m. Population spread of winter moth and hybridization with Bruce spanworm. Jeremy Andersen and Joseph Elkinton, University of Massachusetts, Amherst, MA

4:30 p.m. Impact of natural enemies on hemlock woolly adelgid populations in eastern and western U.S. Ryan Crandall, University of Massachusetts, Amherst, MA

5:00 – 6:00 p.m. **POSTER SESSION – Powerhouse, 3rd Floor**

6:00-8:00 p.m. **MIXER - Atrium**

THURSDAY MORNING, JANUARY 16, 2020

8:00-10:00 a.m.

Emerging Trends in Spotted Lanternfly Research

Moderator:

Scott Pfister

USDA APHIS, Buzzards Bay, MA

8:00 a.m. Dispersal behavior and host preference of spotted lanternfly nymphs. Kelli Hoover, Pennsylvania State University, State College, PA

- 8:20 a.m. Spotted lanternfly behavior and ecology: Dispersal behavior of the spotted lanternfly and its implications for trap development. Tracy Lesky, USDA ARS, Kearneysville, WV
- 8:40 a.m. New findings on spotted lanternfly behavior, biology, and survey tools. Miriam Cooperband, USDA APHIS, Buzzards Bay, MA
- 9:00 a.m. Susceptibility of spotted lanternfly to insecticides and use of sentinel trees for detection of SLF on the infestation periphery. Phil Lewis, USDA APHIS, Buzzards Bay, MA
- 9:20 a.m. Update on research and management of spotted lanternfly in the Northeast U.S. Julie Urban, Pennsylvania State University, State College, PA
- 9:40 a.m. Progress towards biological control of spotted lanternfly. Juli Gould, USDA APHIS, Buzzards Bay, MA
- 10:00-10:30 a.m. **BREAK**

THURSDAY MORNING, JANUARY 16, 2020

10:30 a.m. – 12:00 p.m.

**How Urban Forest Conditions Predict and Promote
Invasive Species**

Moderator:

Vince D'Amico

USDA Forest Service, Newark, DE

- 10:30 a.m. The importance of monitoring and managing small urban forests. Vince D'Amico, USDA Forest Service, Newark, DE
- 10:50 a.m. Urban forests expose sleeper species and predict range expansion. Steven Frank, North Carolina State University, Raleigh, NC
- 11:10 a.m. Human health risks of invasive caterpillars increase with urban warming. Kristi Backe, North Carolina State University, Raleigh, NC
- 11:30 a.m. Remote sensing to model the spread of the spotted lanternfly. Zach Ladin, University of Delaware, Newark, DE

12:00 – 1:00 p.m. **LUNCH**

THURSDAY AFTERNOON, JANUARY 16, 2020

1:00 – 2:30 p.m.

Socio-economic Aspects of Invasion Biology

Moderator:

Kamal J.K. Gandhi

University of Georgia, Athens, GA

and

Andrew Liebhold

USDA Forest Service, Morgantown, WV

- 1:00 p.m. Plants, people and pests: Understanding values, attitudes and behaviors can improve your social license to operate. Mariella Marzano, Forest Research, Northern Research Station, Roslin, Scotland
- 1:20 p.m. The value of phytosanitary inspection and identification services in facilitating international trade: evidence from the U.S. Lars Olson, University of Maryland, College Park, MD

1:40 p.m. Cost-effective resource allocation for early pest detection. Rebecca Epanchin-Niell, Resources for the Future, Washington, DC

2:00 p.m. Acceptance sampling for cost-effective surveillance of emerald ash borer in Winnipeg, MB, Canada. Robert Haight, USDA Forest Service, St. Paul, MN

2:20 p.m. Discussion

2:30 – 3:00 p.m. **BREAK**

THURSDAY AFTERNOON, JANUARY 16, 2020

3:00 – 5:00 p.m.

Research Reports

Moderator:

Taylor Scarr

Natural Resources Canada, Great Lakes Forestry
Research Centre, Sault Ste. Marie, Ontario

3:00 p.m. Rapid 'Ōhi'a death: a tale of two diseases. Jennifer Juzwick, USDA Forest Service, St. Paul, MN

- 3:20 p.m. Regional forest carbon loss resulting from insect and disease invasions in the USA. Andrew Liebhold, USDA Forest Service, Morgantown, WV
- 3:40 p.m. Efforts to obtain parasitoids for the biological control of species in the *Euwallacea fornicatus* complex. Richard Stouthamer, University of California, Riverside, CA
- 4:00 p.m. Cost-effective planning of multi-day pest surveillance campaigns, Denys Yemshanov, Natural Resources Canada, Sault Ste. Marie, ON, Canada
- 4:20 p.m. Oak lace bug, a 'rising star' in Europe. György Csóka, National Agricultural Research and Innovation Centre, Forest Research Institute, Matrafured, Hungary
- 4:40 p.m. Invasive earthworms in North America: Current state of the science. Melanie Taylor, USDA Forest Service, Athens, GA
- 5:00 – 6:00 p.m. **POSTER SESSION – Powerhouse, 3rd Floor**

FRIDAY MORNING, JANUARY 17, 2020

8:00 a.m. – 11:00 a.m.

Research Reports

Moderator:

Jian Duan

USDA ARS, Newark, DE

- 8:00a.m. Entomopathogenic fungi infecting spotted lanternflies. Ann Hajek, Cornell University, Ithaca, NY
- 8:20 a.m. Successful biological control of winter moth in North America. Joseph Elkinton, University of Massachusetts, Amherst, MA
- 8:40 a.m. Developing new surveys for exotic wood-inhabiting insects in urban environments. Michael Bohne. USDA Forest Service, Durham, NH
- 9:00 a.m. Using the biology and behavior of the Asian longhorned beetle to help eradicate populations in the U.S. Talbot Trotter, USDA Forest Service, Hamden, CT

9:20 a.m. Ecology of alien populations of *Sirex noctilio* in northwest Patagonia. Juan Corley, Institute of Forestry and Agricultural Research, Bariloche, Argentina

9:40 – 10:00 a.m. **BREAK**

10:00 a.m. Understanding and exploiting host-plant resistance as a tool for eastern hemlock Restoration in eastern US forests. Ian Kinahan, University of Rhode Island, Kingston, RI

10:20 a.m. Developing and improving traps for the spotted lanternfly. Joe Francese, USDA APHIS, Buzzards Bay, MA

10:40 a.m. Recent EPPO activities: Regulated pests, new introductions, and development of forestry standards. Andrei Orlinski, European and Mediterranean Protection Organization, Paris, France

11:00 a.m. Concluding Remarks. Michael McManus

ACKNOWLEDGMENTS

PROGRAM COMMITTEE

*Michael L. McManus, Jian Duan, Joseph Elkinton,
Scott Pfister, Therese Poland*

LOCAL ARRANGEMENTS

Katherine McManus, Therese Poland

PROCEEDINGS

Katherine McManus, Therese Poland

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