

- 281: Organized Meeting: WERA 1021: Multi-State Research Collaborations Accelerate Solutions for Spotted-Wing *Drosophila* (*Drosophila suzukii*) Management

Tuesday, November 13, 2018

01:30 PM - 04:50 PM

- Vancouver Convention Centre
- - Meeting Room 116/117

Organizer

- [William D. Hutchison](#)
- University of Minnesota

Moderator

- [William D. Hutchison](#)
- University of Minnesota

Papers

- [Introductory remarks](#)

Tuesday, November 13, 2018

01:30 PM - 01:35 PM

- [SCRI update: Developing and implementing sustainable strategies to manage spotted-wing *Drosophila* in United States fruit crops](#) **Hannah Burrack** (hjburrac@ncsu.edu)¹, **Ashfaq Sial**², **Rufus Isaacs**³, **Frank Zalom**⁴, **Brian Gress**⁴, **Philip Fanning**³, **Steven Van Timmeren**³, **Nathan Spaulding**², **Joseph Disi**², **Oscar Liburd**⁵, **Frank Drummond**⁶, **Kelly Hamby**⁷, **Cesar Rodriguez**⁸ and **Lauren Diepenbrock**¹, ¹North Carolina State University, Raleigh, NC, ²University of Georgia, Athens, GA, ³Michigan State University, East Lansing, MI, ⁴University of California, Davis, CA, ⁵University of Florida, Gainesville, FL, ⁶University of Maine, Orono, ME, ⁷University of Maryland, College Park, MD, ⁸Rutgers University, Chatsworth, NJ

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- [OREI Update: Development and implementation of systems based organic management strategies for spotted-wing *Drosophila*](#) **Ashfaq Sial** (ashsial@uga.edu)¹, **Rufus Isaacs**², **Matt Grieshop**², **Christelle Guédor**³, **Kelly Hamby**⁴, **Vaughn Walton**⁵, **Mary Rogers**⁶, **Oscar Liburd**⁷, **Donn Johnson**⁸, **Frank Zalom**⁹, **Hannah Burrack**¹⁰, **Jana Lee**¹¹ and

Tracy C. Leskey¹², ¹University of Georgia, Athens, GA, ²Michigan State University, East Lansing, MI, ³University of Wisconsin, Madison, WI, ⁴University of Maryland, College Park, MD, ⁵Oregon State University, Corvallis, OR, ⁶University of Minnesota, St. Paul, MN, ⁷University of Florida, Gainesville, FL, ⁸University of Arkansas, Fayetteville, AR, ⁹University of California, Davis, CA, ¹⁰North Carolina State University, Raleigh, NC, ¹¹USDA - ARS, Corvallis, OR, ¹²USDA - ARS, Kearneysville, WV

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01:50 PM - 02:05 PM

- [Overwintering biology of spotted-wing Drosophila: The effect of gradual cooling on physiogenesis and survival outcomes](#) **Dara Stockton** (dara.stockton@cornell.edu) and **Gregory Loeb**, Cornell University, Geneva, NY

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- [Spatial and temporal distribution of *Drosophila suzukii* in raspberries](#) **Benjamin Jaffe** (bjaffe2@wisc.edu) and **Christelle Guédot**, University of Wisconsin, Madison, WI

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- [Protected high tunnel systems for spotted-wing drosophila: IPM advantages of poly and exclusion netting strategies](#) **Mary Rogers**, **Andrew Petran**, **Eric C. Burkness**, **Claire Flavin** and **William D. Hutchison**, University of Minnesota, St. Paul, MN

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- [Excluding *Drosophila suzukii* from New York raspberries and blueberries with netting](#) **Gregory Loeb** (gme1@cornell.edu)¹, **Stephen P. Hesler**¹, **Dara Stockton**¹, **Anna K. Wallingford**¹ and **Tracy C. Leskey**², ¹Cornell University, Geneva, NY, ²USDA - ARS, Kearneysville, WV

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- [Break](#)

Tuesday, November 13, 2018

03:00 PM - 03:30 PM

- [Impact of pruning on crop microclimate and *Drosophila suzukii*](#)**Kelly Hamby** (kahamby@umd.edu)¹, Daniel Dalton², Vaughn Walton², Andrew Petran³, Mary Rogers⁴, Lauren Diepenbrock⁵, Heather Leach⁶, Steven Van Timmeren⁷, Philip Fanning⁷, Rufus Isaacs⁷, Brian Gress⁸, Mark Bolda⁹, Frank Zalom⁸, Craig Roubos¹⁰, Richard Evans¹⁰ and Ashfaq Sial¹⁰, ¹University of Maryland, College Park, MD, ²Oregon State University, Corvallis, OR, ³Univ. of Minnesota, St. Paul, MN, ⁴University of Minnesota, St. Paul, MN, ⁵North Carolina State University, Raleigh, NC, ⁶Pennsylvania State University, University Park, PA, ⁷Michigan State University, East Lansing, MI, ⁸University of California, Davis, CA, ⁹University of California, Watsonville, CA, ¹⁰University of Georgia, Athens, GA

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03:30 PM - 03:45 PM

- [An update on insecticide resistance monitoring for SWD in berry crops](#)**Rufus Isaacs** (isaacsr@msu.edu)¹, Ashfaq Sial², Frank Zalom³, Brian Gress³, Steven Van Timmeren¹, Nathan Spaulding², Joseph Disi², Oscar Liburd⁴, Frank Drummond⁵, Kelly Hamby⁶, Cesar Rodriguez⁷, Lauren Diepenbrock⁸, Hannah Burrack⁸ and Nupur Sarkar⁴, ¹Michigan State University, East Lansing, MI, ²University of Georgia, Athens, GA, ³University of California, Davis, CA, ⁴University of Florida, Gainesville, FL, ⁵University of Maine, Orono, ME, ⁶University of Maryland, College Park, MD, ⁷Rutgers University, Chatsworth, NJ, ⁸North Carolina State University, Raleigh, NC

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- [Modeling SWD population dynamics: Insights into biology and management](#)**Vaughn Walton** (vaughn.walton@oregonstate.edu)¹, Daniel T. Dalton¹, Serhan Mermer¹, Gabriella Tait², Dalila Rendon¹, Cherre Bezerra Da Silva¹, Kyoo Park¹, Marco Valerio Stacconi¹, Alberto Grassi³, Claudio Ioriatti³, Gianfranco Anfora³ and Ferdinand Pfab⁴, ¹Oregon State University, Corvallis, OR, ²Udine University, Udine, Italy, ³Edmund Mach Foundation, San Michele all'Adige, Italy, ⁴Trento University, Trento, Italy

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- [Effect of non-nutritive sugar formulations on spotted-wing *Drosophila* and honeybee](#)**Man-Yeon Choi** (mychoi@ars.usda.gov)¹, *Jana Lee*¹ and *Ramesh Sagili*², ¹USDA - ARS, Corvallis, OR, ²Oregon State University, Corvallis, OR

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- [Current advances on Sterile Insect Technique for *Drosophila suzukii*](#)**Annabelle Firlej** (annabelle.firlej@irda.qc.ca), *Institut de Recherche et de Développement en Agroenvironnement, St-Bruno-de-Montarville, QC, Canada*

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- [Intercropping for spotted-wing *Drosophila* management: Research outcomes and potential approaches](#)**Juli Carrillo** (juli.carrillo@ubc.ca) and *Chelsea Gowton, University of British Columbia, Vancouver, BC, Canada*

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- [Concluding remarks](#)

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