



2026

National Conference on Urban Entomology & Invasive Pest Ant Conference

May 17-20 | Atlanta, Georgia

**The Westin
Atlanta Perimeter North**



Schedule at a Glance

SUNDAY, MAY 17

6:00-8:00p Welcome Reception

MONDAY, MAY 18

6:30-7:45a Breakfast on your own

8:00-9:30a Mallis Award

9:30-10:15a Student Award Papers

10:15-10:30a Break

10:30a-12:00p Concurrent Sessions
MASTER'S Student Paper Competition
DOCTORAL Student Paper Competition

12:00-1:00p Lunch on your own

1:00-2:10p Concurrent Sessions
MASTER'S Student Paper Competition
DOCTORAL Student Paper Competition

2:10-2:40p Break

2:40-4:40p Concurrent Sessions
SYMPOSIUM Beneath the Surface: Updates in the Distribution, Taxonomy & Control of Subterranean Termites
SYMPOSIUM Honoring and Celebrating Dr. Gary Bennett's 50-Year Career in Urban and Structural Pest Management

TUESDAY, MAY 19

6:30-8:00a Breakfast on your own

8:00-10:00a Concurrent Sessions
SYMPOSIUM Advances in Urban Rodent Pest Management
SYMPOSIUM Bed Bug & Cockroach Biology

10:00-10:30a Break

10:30-11:30a Concurrent Sessions
SUBMITTED PAPERS Miscellaneous
SUBMITTED PAPERS Urban Pests

11:30a-1:00p Awards Luncheon

1:00-3:15p Concurrent Sessions
SYMPOSIUM Challenges and Strategies to Reduce Indoor Pests and Their Associated Health Risks
SYMPOSIUM Integrating Innovation & Practice in Urban Pest Management
SUBMITTED PAPERS Bed Bugs & Cockroaches

3:30p Bus leaves for Georgia Aquarium admission ticket holders

5:00p Bus leaves for reception at Georgia Aquarium

6:00-9:00p Reception at Georgia Aquarium

REGISTRATION HOURS:

Sun 2:30-5:00p, Mon & Tues 7:00a-5:00p, Wed 7:00-10:00a

Upload your presentation at ncueipa.org with your last name and presentation title (LN_PT) as the file name. If necessary, presentations can be uploaded at the registration table. Please upload your presentation by the day before you're scheduled to speak.

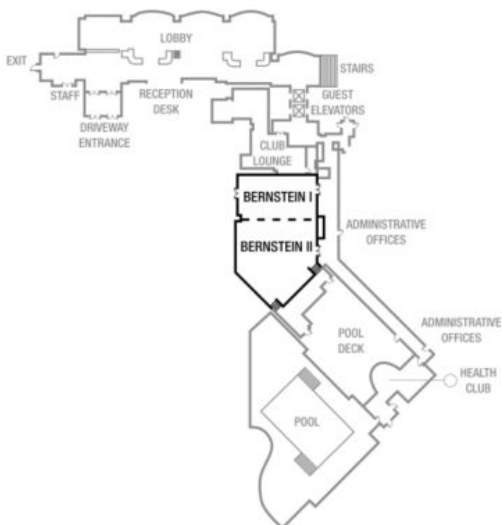
Schedule at a Glance

WEDNESDAY, MAY 20

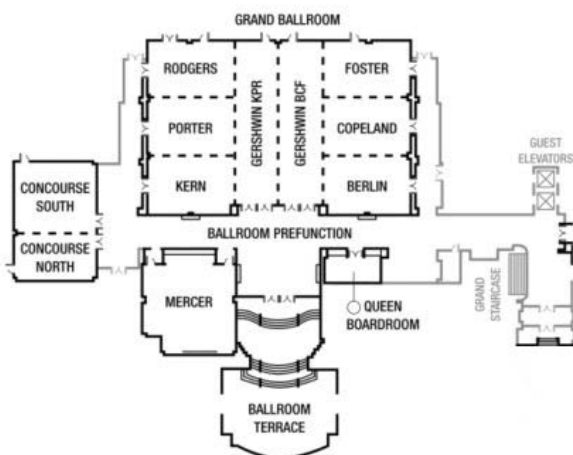
- 6:30-8:00a Breakfast on your own
- 8:00-10:00a Concurrent Sessions
SYMPOSIUM From Concept to Control:
Transforming Stored Product IPM Through
Industry-Academic Collaboration
SYMPOSIUM Expanding the Outreach in
Public Health - What's the Gulf South
VECTOR Project?
SUBMITTED PAPERS Ants & Termites
- 10:00-10:30a Break
- 10:30-11:30a Final Business Meeting
- 11:30a-12:30p Executive Committee Business Meeting

Hotel Map

LOBBY LEVEL



CONCOURSE LEVEL



SUNDAY, MAY 17

2:30-5:00p

Registration **Prefunction Area**

6:00-8:00p

Welcome Reception **Bernstein Ballroom**

MONDAY, MAY 18

6:30-7:45a

Breakfast on your own

AWARDS PRESENTATIONS

GRAND BALLROOM



7:45-8:00a

WELCOME

8:00-9:30a

Distinguished Achievement in Urban Entomology, The Arnold Mallis Memorial Award Lecture

Pay it Forward: The Responsibilities and Rewards of Being a Mentor in Urban Entomology

ARTHUR APPEL

AUBURN UNIVERSITY

9:30-9:45a

Doctoral Award

Distribution of Vkorc1 Mutations in Commensal Rodents and the Implications for Future Management

JIN-JIA YU

RUTGERS UNIVERSITY

9:45-10:00a

Master's Award

Choice vs. Chance: Evaluating Gel Bait Efficacy in Turkestan Cockroaches under Food Competition

ASHMITA SAPKOTA

AUBURN UNIVERSITY

10:00-10:15a

Bachelor's Award

Mating Behavior and Mate Preference of Susceptible and Insecticide-Resistant German Cockroach (*Blattella germanica*)

MADELYN LEE

UC RIVERSIDE

10:15-10:30a

BREAK

10:30a-12:00p CONCURRENT SESSIONS

MASTER'S STUDENT PAPER COMPETITION

MERCER



Moderators: Changlu Wang & Xiaodan Pan, Rutgers University

10:30-10:40a

Evaluating Species-Specific Susceptibility of Urban Pest Ants to *Beauveria bassiana*: Implications for Biological Control

DARMON KAHVAZADEH & Clint Penick

AUBURN UNIVERSITY

10:40-10:50a

Genetic Structure and Invasion Dynamics of the Little Fire Ant Across Hawaiian Islands

ARADHANA SHRESTHA, Nikku Bhetwal,

Pascal Osa Aigbedion-Atalor, & Jia-Wei Tay

UNIVERSITY OF HAWAII AT MANOA

- 10:50-11:00a** **Sugar and Bait Preferences of New Jersey German Cockroach Strains Monitored via EthoVision**
JESSE BAKER & Changlu Wang
RUTGERS UNIVERSITY
- 11:00-11:10a** **A Fatal Dilemma: From Behavioral Avoidance to Toxicological Efficacy in Turkestan Cockroaches**
ASHMITA SAPKOTA & Arthur Appel
AUBURN UNIVERSITY
- 11:10-11:20a** **The Prevalence and Ecology of the Plague Vector (Oriental Rat Flea) in Residential Buildings**
BABATUNJI DARMOLA, Xiaodan Pan, Changlu Wang & Jin-Jia Yu
RUTGERS UNIVERSITY
- 11:20-11:30a** **A High-Throughput Assay for Host- and Microbiota-Derived Antimicrobial Activity on Arthropod Cuticles**
SAMUEL CAVANAGH & Clint Penick
AUBURN UNIVERSITY
- 11:30-11:40a** **Vector Control in the Gulf Coast Region: Identifying and Addressing Operational Barriers and Training Needs Among Pest Management Professionals**
CHANCE HUDNALL¹, Claudia Riegel² & Aaron Ashbrook¹
¹LOUISIANA STATE UNIVERSITY, ²New Orleans Mosquito, Termite & Rodent Control Board
- 11:40-11:50a** **Establishing Vector Surveillance in Areas with Limited Infrastructure through MEGA:BITESS - a Community-Driven Vector Surveillance and Education Program**
HANNAH GINN, Jennifer Chandler, Karen Vail & Rebecca Trout Fryxell
UNIVERSITY OF TENNESSEE
- 11:50a-12:00p** **Survey of Termite Species in Louisiana with a Focus on Formosan Subterranean Termites (*Coptotermes formosanus*)**
ANDREW P. SANFORD, Stephen Baca & Aaron R. Ashbrook
LOUISIANA STATE UNIVERSITY

**DOCTORAL STUDENT PAPER
COMPETITION
CONCOURSE**



Moderators: Caleb Hubbard¹ & Chen Jian², ¹New Mexico State University, ²USDA-ARS, Biological Control of Pest Research Unit

- 10:30-10:40a** **Are Bed Bug Insecticides Effective Against Bat Bugs? A Comparative Susceptibility Study**
JIN-JIA YU, Babatunji Daramola & Changlu Wang
RUTGERS UNIVERSITY

- 10:40-10:50a** **Efficacy of Different Application Methods of Silica Dust for Bed Bug Control**
 BENJAMIN GRADY & Zachary DeVries
 UNIVERSITY OF KENTUCKY
- 10:50-11:00a** **The Role of *Wolbachia* in Bed Bug Biology: Digestion, Reproduction, and Gene Expression in Response to Endosymbiont-Derived Vitamins**
 ELIZABETH WILES, Madhavi Kakumanu, Abigail Carpenter & Coby Schal
 NORTH CAROLINA STATE UNIVERSITY
- 11:00a-11:10a** **"It's Never Bat Bugs": Assessing the Diversity of Cimicidae Submitted for Identification on Social Media**
 MORGAN MANDERFIELD & Zachary DeVries
 UNIVERSITY OF KENTUCKY
- 11:10-11:20a** **Using Systemic Ectoparasitic Drugs to Control Bed Bug Populations in Poultry Farms**
 AMY ZHENG
 NORTH CAROLINA STATE UNIVERSITY
- 11:20-11:30a** **Cannibalism-Mediated Delivery of SINVs as a Practical Inoculation Approach for Fire Ant Management**
 FANG-LING "CHLOE" LIU¹, Adam G. Dolezal², Chin-Cheng "Scotty" Yang¹
¹TEXAS A&M UNIVERSITY, ²University of Illinois Urbana-Champaign
- 11:30-11:40a** **RNAi as a Potential Tool for Controlling *Wasmannia auropunctata***
 BEENU KHADKA, Jia-Wei Tay, Michael Melzer, Aradhana Shrestha & Nikku Bhetwal
 UNIVERSITY OF HAWAII AT MANOA
- 11:40-11:50a** **Interspecific Competition Between *Solenopsis geminata* and *Wasmannia auropunctata* and Development of a Virus-Integrated Hydrogel Delivery Approach**
 NIKKU BHETWAL, Aradhana Shrestha, Beenu Khadka & Jia-Wei Tay
 UNIVERSITY OF HAWAII AT MANOA
- 11:50a-12:00p** **Proactive Baiting for Sustainable German Cockroach (*Blattella germanica*) Control**
 BANDANA SHRESTHA & Zachary DeVries
 UNIVERSITY OF KENTUCKY
- 12:00-1:00p** **Lunch on your own**
NOTE: The hotel restaurant, SAVOR, is not open for lunch on Mondays
- 1:00-2:10p** **CONCURRENT SESSIONS**

**MASTER'S STUDENT PAPER
COMPETITION (Continued)**
MERCER



Moderators: Changlu Wang & Xiaodan Pan, Rutgers University

- 1:00-1:10p** **The Bioavailability and Longevity of Perimeter Treatments**
EMILY HEINEY & Dan Suiter
UNIVERSITY OF GEORGIA
- 1:10-1:20p** **A Native Species is Resistant to Invasive Pressure, but not Urbanization in a Southeast US City**
LUKE EDENBOROUGH & Clint Penick
AUBURN UNIVERSITY

**DOCTORAL STUDENT PAPER
COMPETITION (Continued)**
CONCOURSE



Moderators: Caleb Hubbard¹ & Chen Jian², ¹New Mexico State University, ²USDA-ARS, Biological Control of Pest Research Unit

- 1:00-1:10p** **Bait Consumption and Starvation Tolerance Comparison Between Field-Resistant and Laboratory-Susceptible Strains of German Cockroaches (Blattodea: Ectobiidae)**
EMILY L. TA, Ashley McKnight, Shao-Hung "Dennis" Lee & Chow-Yang Lee
UNIVERSITY OF CALIFORNIA, RIVERSIDE
- 1:10-1:20p** **Comparative Secondary Mortality Caused by Gel Baits in Susceptible and Field-Derived German Cockroach (*Blattella germanica*) Populations**
KAVITA ADHIKARI & Ameya D. Gondhalekar
UNIVERSITY OF FLORIDA
- 1:20-1:30p** **Efficacy of Ecdysteroid Agonists in German Cockroaches**
SOPHIE B. ROBINSON & Zachary DeVries
UNIVERSITY OF KENTUCKY
- 1:30-1:40p** **Understanding the Genomics of Invasion of a Globally Resurging Indoor Urban Pest Insect in Low-Income Housing**
CAMILLE J. BLOCK¹, Lindsay S. Miles¹, Jin-Jia Yu², Changlu Wang² & Warren Booth¹
¹VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY, ²Rutgers University
- 1:40-1:50p** **From Laboratory to Urban and Peri-Urban Deployment: Challenges in Scaling Spatial Repellent Technologies in Brazil**
TALES RIBEIRO¹, Fredros Okumu², Alvaro Eiras¹
¹FEDERAL UNIVERSITY OF MINAS GERAIS, BRAZIL, ²University of Glasgow, UK
- 1:50-2:00p** **Assessing Lice, Mite, and Flea Infestations in Backyard Poultry: Implications for Urban Pest Management**
RAYMOND FITZPATRICK & Nancy Hinkle
UNIVERSITY OF GEORGIA

2:00-2:10p **Bee Visitation of Soybean Production Systems in Georgia**
SUSANNE DEEB, G. David Buntin, Bodie Pennisi & Conor Fair
UNIVERSITY OF GEORGIA

2:10-2:40p **BREAK**

2:40-4:40p **CONCURRENT SESSIONS**

SYMPOSIUM: BENEATH THE SURFACE: UPDATES IN THE DISTRIBUTION, TAXONOMY & CONTROL OF SUBTERRANEAN TERMITES
MERCER



Organizers: Carrie Cottone¹ & Aaron Ashbrook², ¹New Orleans Mosquito, Termite & Rodent Control Board, ²Louisiana State University

2:40-2:55p **An Overview of the 2025 North American Termite Survey (NATS) Effort**
J. SANTOS PORTUGAL III¹, Anamika Sharma² & Aaron Ashbrook³
¹MISSISSIPPI STATE UNIVERSITY, ²Florida Agricultural & Mechanical University, ³Louisiana State University

2:55-3:10p **North American Termite Survey (NATS) Protocols and Survey Results**
ANAMIKA SHARMA¹, J. Santos Portugal III², Aaron Ashbrook³ & Johanna Welch⁴
¹FLORIDA AGRICULTURAL & MECHANICAL UNIVERSITY, ²Mississippi State University, ³Louisiana State University, ⁴Florida Department of Agriculture & Consumer Services

3:10-3:25p **Development of Training Materials for the North American Termite Survey (NATS)**
AARON ASHBROOK¹, Anamika Sharma² & J. Santos Portugal III³
¹LOUISIANA STATE UNIVERSITY, ²Florida Agricultural & Mechanical University, ³Mississippi State University

3:25-3:40p **Systematics of *Reticulitermes* in California: Early Insights and Future Directions**
JOANNE TZU-CHIA CHEN¹, Lori Nelson², Michael Haverty² & Chow-Yang Lee¹
¹UNIVERSITY OF CALIFORNIA, RIVERSIDE, ²USDA Forest Service, Pacific Southwest Research Station

3:40-3:55p **A Tale of Two Termites: *Coptotermes* Hybrids in Florida**
JOHNALYN GORDON & Thomas Chouvenc
UF/IFAS FORT LAUDERDALE RESEARCH & EDUCATION CENTER

- 3:55-4:10p** **The History of Termite Control in New Orleans**
 MARK JANOWIECKI
 NEW ORLEANS MOSQUITO, TERMITE & RODENT
 CONTROL BOARD
- 4:10-4:25p** **Termite Control from a Municipal Perspective**
 CARRIE COTTONE, Claudia Riegel & Mark
 Janowiecki
 NEW ORLEANS MOSQUITO, TERMITE & RODENT
 CONTROL BOARD
- 4:25-4:40p** **To Bait or Not to Bait? Why is it Still a
 Question 30 Years Later?**
 NAN-YAO SU
 UF/IFAS FORT LAUDERDALE RESEARCH &
 EDUCATION CENTER

**SYMPOSIUM: HONORING AND
 CELEBRATING DR. GARY BENNETT'S
 50-YEAR CAREER IN URBAN AND
 STRUCTURAL PEST MANAGEMENT
 CONCOURSE**



*Organizers: Ameya Gondhalekar¹ & Grzegorz Buczkowski²,
¹University of Florida, ²Purdue University*

- 2:40-2:55p** **Opening Remarks**
- 2:55-3:10p** **My Journey from Extension Entomology to
 the Urban Center**
 BYRON REID
 VESPINAE VENTURES LLC
- 3:10-3:25p** **From Cockroaches to Termites: How Dr. Gary
 Bennett's Urban Entomology Program
 Prepared Me for a Career in Industry**
 JOE DeMARK
 CORTEVA (Retired)
- 3:25-3:40p** **A Life Less Ordinary**
 JODY GREEN
 UNIVERSITY OF NEBRASKA
- 3:40-3:55p** **Valuable Lessons Learned from Dr. Gary
 Bennett - from Academia to Industry, and
 Back!**
 STEPHEN KELLS
 UNIVERSITY OF MINNESOTA
- 3:55-4:10p** **Bed Bug Adventures with Dr. Gary Bennett**
 AARON ASHBROOK
 LOUISIANA STATE UNIVERSITY
- 4:10-4:25p** **The Industry Sponsored Program at Urban
 Center**
 CHANGLU WANG
 RUTGERS UNIVERSITY
- 4:25-4:40p** **Concluding Remarks**

6:30-8:00a **Breakfast on your own**

8:00-10:00a **CONCURRENT SESSIONS**

SYMPOSIUM: ADVANCES IN URBAN RODENT PEST MANAGEMENT MERCER



Organizers: Xiaodan Pan & Changlu Wang, Rutgers University

8:00-8:20a **Equipment Aversion and Disregard in Rodents (EAD)**

ROBERT M. CORRIGAN (Recorded)
RM CORRIGAN CONSULTING

8:20-8:40a **Building Sustainable Partnerships for Urban Rodent Surveillance and Management**

CLAUDIA RIEGEL¹, Janet Hurley² & Imelda K. Moise³

¹NEW ORLEANS MOSQUITO, TERMITE & RODENT CONTROL BOARD, ²Texas A&M AgriLife Extension, ³NOVA Southeastern University

8:40-9:00a **Refining Rat Control Techniques**

CHANGLU WANG
RUTGERS UNIVERSITY

9:00-9:20a **Rodent Infestations in Public Housing**

XIAODAN PAN
RUTGERS UNIVERSITY

9:20-9:40a **Expanding the Toolkit: Integrating Conservation Detection Dog Teams in Urban and Structural Entomology—From Islands to Urban Systems**

PETE COPPOLILLP & Mark Vick
WORKING DOGS FOR CONSERVATION

9:40-10:00a **The Unblinking Eye: Revolutionizing Rodent Management via Trail Camera Surveillance**

EMORY H. MATTS
RENTOKIL TERMINIX

SYMPOSIUM: BED BUG & COCKROACH BIOLOGY CONCOURSE



Organizer: Jose Pietri, Purdue University

8:00-8:15a **Of Bed Bugs and Men: Why Bed Bug Biology Demands New Solutions**

SEUN OLADIPUPO
OHIO STATE UNIVERSITY

8:15-8:30a **Clinical Manifestations of Bed Bug Bites: A Systematic Review and Meta-Analysis of Case Reports**

JULIAN PORRAS-VILLAMIL
UNIVERSITY OF KENTUCKY

- 8:30-8:45a** **Dry and High Heat: Assessing the Impact of Varying Temperature Conditions on Bed Bugs (*Cimex lectularius*)**
AARON ASHBROOK¹ & Bandana Shrestha²
¹LOUISIANA STATE UNIVERSITY, ²University of Kentucky
- 8:45-9:00a** **Molecular Mechanisms of the *Wolbachia*-Bed Bug Nutritional Mutualism** ELIZABETH WILES, Madhavi Kakumanu & Coby Schal
NORTH CAROLINA STATE UNIVERSITY
- 9:00-9:15a** **A Breath of Fresh Air: Eliminating Cockroaches Reduces Allergens and Bacterial Toxins**
COBY SCHAL
NORTH CAROLINA STATE UNIVERSITY
- 9:15-9:30a** **From Bug to Bench: Reliable Detection of Low-Load *Salmonella* in Cockroach Reservoirs**
LIPIKA DAS
PURDUE UNIVERSITY
- 9:30-9:45a** **Biological Factors Driving Cannibalistic Behavior in German Cockroaches**
JoELLEN McCLAIN
PURDUE UNIVERSITY
- 9:45-10:00a** **Establishment of Embryo-Derived Cell Cultures from the Bed Bug, *Cimex lectularius***
JOSE PIETRI
PURDUE UNIVERSITY

10:00-10:30a **BREAK**

10:30-11:30a **CONCURRENT SESSIONS**

SUBMITTED PAPERS: MISCELLANEOUS **MERCER**

Moderator: Dan Suiter, University of Georgia

- 10:30a-10:45a** **From Webinar to Writing Toolkit: An AI-Assisted Pipeline for Converting Extension Presentations into Publication-Ready Source Materials**
RICH BRAMAN & Dan Suiter
UNIVERSITY OF GEORGIA
- 10:45a-11:00a** **Managing Insect Allergen Exposure in a Structural Pest Lab**
DOUGLAS GARDNER, Alicia Gettis, Matthew Hobbs, Staci Johnston, Bennett Jordan, Morgan Manderfield & Kyra Peterson
ECOLAB PEST ELIMINATION

11:00-11:15a **Surface-Based Approaches for Reducing Mosquito Landing and Flight as a Complement to Chemical Control**
JUN DEGUCHI, Hiroaki Ikura, Toshiaki Iida,
Aya Kato-Namba & Takao Nakagawa
KAO CORPORATION, JAPAN

11:15-11:30a **Urban-Scale Application of Long-Lasting Repellent Textiles: Translational Lessons from Field Deployment**
ÁLVARO EIRAS¹ & Fredros Okumu²
¹INNOVEC LTDA, BRAZIL, ²University of Glasgow, UK

SUBMITTED PAPERS: URBAN PESTS CONOURSE



Moderator: Raj Saran, Syngenta

10:30-10:45a **PLINAZOLIN Technology: A Novel Isoxazoline Insecticide and its Activity Against Key Urban Pests and Public Health Disease Vectors**
RAJ SARAN, Mark Hoppé, Brigitte Slaats,
Brittany Blakely, Bob Cartwright & Laura Vavassouri
SYNGENTA PROFESSIONAL SOLUTIONS

10:45-11:00a **Evaluating the Deterrent Effects of Essential Oils against the Little Fire Ant**
JIA-WEI TAY & Brock Lathrop
UNIVERSITY OF HAWAII AT MANOA

11:00-11:15a **Behavior-Informed Pest Management in Urban and Agricultural Systems**
CALEB HUBBARD
NEW MEXICO STATE UNIVERSITY

11:15-11:30a **Generational Insights Into Urban Biodiversity: A Call to Action for Adaptive Conservation Through Innovation**
ISMAILA ADEROLU & Akeem Oyerinde
UNIVERSITY OF ABUJA, NIGERIA

11:30a-1:00p **AWARDS LUNCHEON**
Grand Ballroom



1:00-3:15p **CONCURRENT SESSIONS**

SYMPOSIUM: CHALLENGES AND STRATEGIES TO REDUCE INDOOR PESTS AND THEIR ASSOCIATED HEALTH RISKS
MERCER



Organizer: Changlu Wang, Rutgers University

- 1:00-1:15p** **DIY Cockroach Control: Can It Work?**
ZACHARY DEVRIES
UNIVERSITY OF KENTUCKY
- 1:15-1:30p** **Lessons Learned from Community-Wide IPM Implementation in Low-Income Housing**
CHANGLU WANG
RUTGERS UNIVERSITY
- 1:30-1:45p** **Proactive Monitoring Programs Help Pest Control Operators to Detect and Reduce Insects of Public Health Importance in Low-Income Multi-Unit Residential Buildings**
ANDREW SUTHERLAND
UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION & UC IPM
- 1:45-2:00p** **Tennessee Housing Pest Trends Over a Dozen Years**
KAREN VAIL & Jennifer Chandler
UNIVERSITY OF TENNESSEE
- 2:00-2:15p** **Pest Control Perceptions and Experiences of Residents in Multi-Family Housing**
JOHNALYN GORDON
UF/IFAS FORT LAUDERDALE RESEARCH & EDUCATION CENTER
- 2:15-2:30p** **The Cost and Efficacy of Assessment-Based Pest Management (APM) for German Cockroach Control in US HUD Housing Units**
DINI MILLER
VIRGINIA TECH UNIVERSITY
- 2:30-2:45p** **Challenging Issue Case Studies**
HAO YU
RENTOKIL TERMINIX
- 2:45-3:00p** **Managing Obscure/Uncommon Indoor Pests**
RON HARRISON
ORKIN

SYMPOSIUM: INTEGRATING INNOVATION & PRACTICE IN URBAN PEST MANAGEMENT CONCOURSE



Organizer: Alvaro Romero, Envu

- 1:00-1:15p** **Innovative Formulations for Effective and Eco-Friendly Essential Oil Based Products**
ARUNAS DAMIJONAITIS & Kyle Denk
ENVU
- 1:15-1:30p** **Encircle™ Remote Termite Detection System – The Future is Now!**
ROBERT DAVIS, Freder Medina, Sylvia Kenmuir, Desiree Straubinger, Jason Meyers & James Austin
BASF PROFESSIONAL & SPECIALTY SOLUTIONS

- 1:30-1:45p** **A New Mode of Action Against an Old Pest – Vanecto Cockroach Get Bait**
LISA EPPLER, Chris Keefer & Tim Husen
SYNGENTA
- 1:45-2:00p** **Comparison of Insecticidal Efficacy at Different Temperatures with Bed Bugs (*Cimex lectularius*)**
AARON ASHBROOK & Bandana Shrestha
LOUISIANA STATE UNIVERSITY
- 2:00-2:15p** **Secondary Kill Effects of Temprid Dust Against Bed Bugs**
ALEX KO
ENVU
- 2:15-2:30p** **Behavioral Disruption in Mosquitoes Following Exposure to Barricor EMC: Effects on Locomotion, Feeding, Host-Seeking, and Oviposition**
ALVARO ROMERO¹, Matthew Remmen¹, April Lopes², Immo Hansen² & Arunas Damijonaitis¹
¹ENVU, ²New Mexico State University
- 2:30-2:45p** **Evaluating the Efficacy of Some Old and New Dust Products Against the Turkestan Cockroach (Blattodea: *Periplaneta lateralis*)**
SIAVASH TARAVATI
UCCE-RIVERSIDE COUNTY & UC IPM PROGRAM
- 2:45-3:00p** **Insecticide Tests on Firebrats, *Thermobia domestica* (Packard)**
SHAO-HUNG "DENNIS" LEE & Chow-Yang Lee
UNIVERSITY OF CALIFORNIA, RIVERSIDE

SUBMITTED PAPERS: BED BUGS & COCKROACHES
KERN/PORTER



Moderators: Warren Booth¹ & Jun-Yin Lum², ¹Virginia Tech University, ²University of California, Riverside

- 2:15-2:30p** **Performance of an Isocycloseram SC Formulation Against a Pyrethroid-Resistant Strain of Common Bed Bug (*Cimex lectularius* L.)**
JUN-YIN LUM, Shao-Hung "Dennis" Lee, Gregory Kund, & Chow-Yang Lee
UNIVERSITY OF CALIFORNIA, RIVERSIDE
- 2:30-2:45p** **Laboratory Efficacy Evaluations of Carbon Dioxide as a Fumigant Evaluated at Two Temperatures (15°C and 25°C) for the Control of Field Hardy and Laboratory Colonies of Bed Bugs, *Cimex lectularius*, and German Cockroaches, *Blattella germanica***
WILLIAM DONAHUE, JR & Michael Donahue
SIERRA RESEARCH LABORATORIES

2:45-3:00p

Admixture without Recurrent Intercontinental Gene Flow: Contrasting Patterns of Genetic Diversity and Knockdown Resistance Profiles Reveal Independent Evolution in Resurgent Common Bed Bug Populations

WARREN BOOTH¹, Lindsay S. Miles¹, Ondřej Balvin², Cari D. Lewis³, Jitka Vilimová⁴, Coby Schal⁵ & Edward L. Vargo⁶

¹VIRGINIA TECH, ²Czech University of Life Sciences Prague, ³Los Alamos National Laboratory, ⁴Charles University Prague, ⁵North Carolinas State University, ⁶Texas A&M University

3:00-3:15p

Spatio-Temporal Population Genomics and Target-Site Associated Insecticide Resistance Profiles of the German Cockroach, *Blatella germanica*, from Low-Income Housing in Virginia.

LINDSAY MILES, Camille Block, Nicolas Gustafuson, Caine DeWitt, Anne Jones, Morgan Wilson, Dini Miller & Warren Booth
VIRGINIA TECH

3:30p

BUS LEAVES FOR GEORGIA AQUARIUM ADMISSION TICKET HOLDERS

5:00p

BUS LEAVES FOR RECEPTION AT GEORGIA AQUARIUM

6:00-9:00p

RECEPTION AT GEORGIA AQUARIUM

 **BASF**
We create chemistry

WEDNESDAY, MAY 20

6:30-8:00a

Breakfast on your own

8:00-10:00a

CONCURRENT SESSIONS

SYMPOSIUM: FROM CONCEPT TO CONTROL: TRANSFORMING STORED PRODUCT IPM THROUGH INDUSTRY-ACADEMIC COLLABORATION

MERCER



Organizer: Jessica Lindenmayer, Trécé, Inc.

8:00-8:12a

Using Artificial Intelligence in the Development of Innovative, Automated Probe Traps for Stored Product Insect Detection in Grain Bulks

CHRISTOS ATHANASSIOU
UNIVERSITY OF THESSALY, GREECE

- 8:12-8:24a Training and Knowledge Transfer to Ensure Adoption of New Practices**
DAN SUITER
UNIVERSITY OF GEORGIA
- 8:24-8:36a Mating Disruption for Stored Product Insect Pest Management: Research and Application**
JAMES CAMPBELL
CENTER FOR GRAIN & ANIMAL HEALTH RESEARCH, USDA ARS
- 8:36-8:48a Tools of the Trade: How an Urban Extension Program Supports Stored Product Pest Management**
CHRISTOPHER HAYES
NORTH CAROLINA STATE UNIVERSITY
- 8:48-9:00a Spatial and Temporal Variation in IPM: Lessons from Collaborations and New Automated Approaches**
ALISON GERKEN
CENTER FOR GRAIN & ANIMAL HEALTH RESEARCH, USDA ARS
- 9:00-9:12a An FAQ Presentation on the Behavioral Mechanisms Behind Effective Use of Multi-Species Mating Disruption in Large-Scale Commercial Facilities**
JESSICA LINDENMAYER
TRÉCÉ, INC.
- 9:12-9:24a Leveraging Pest Data to Solve Complex Issues in Food Plants**
ERIC MYERS
ARCHER DANIELS MIDLAND (ADM) CO.
- 9:24-9:36a Technological Advancements for the Fumigation Market**
DEREK JOHNSON
CARDINAL PROFESSIONAL PRODUCTS
- 9:36-9:48a Organic Pest Control: Safe, Sustainable Solutions for Stored Commodities**
BEN HARL
DEGESCH AMERICA INC.
- 9:48-10:00a Pest Capture Data Collection: Correlation with Sanitation, Structural Findings, and Problem Resolution. Leveraging Data for Proactive Facility Management and Lasting Change**
BRETT HARDENBROOK
ECOLAB PEST ELIMINATION

**SYMPOSIUM: EXPANDING THE
OUTREACH IN PUBLIC HEALTH -
WHAT'S THE GULF SOUTH VECTOR
PROJECT?**

CONCOURSE



Organizer: Janet Hurley, Texas A&M AgriLife Extension Service

**8:00-8:20a The Gulf South VECTOR Collaborative - What
Have We Done Since 2024?**

CLAUDIA RIEGEL
NEW ORLEANS MOSQUITO, TERMITE &
RODENT CONTROL BOARD

**8:20-8:40a Preparing the Next Generation of Public
Health IMM Applicators Using a Standardized
Training Method**

JANET HURLEY
TEXAS A&M AGRILIFE EXTENSION SERVICE

**8:40-9:10a CORE Survey Results on the Barriers,
Experience, and Preferences of Pest
Management Professions to Attend Vector
Management Trainings**

AARON ASHBROOK & Jerrod Penn
LOUISIANA STATE UNIVERSITY

**9:10-9:25a Using Large Language Models to Process
and Analyze Vector Control Needs
Assessment Interviews**

HAN LI
UNIVERSITY OF MIAMI

**SUBMITTED PAPERS: ANTS &
TERMITES**

KERN/PORTER



Moderator: Clint Penick, Auburn University

**8:00-8:15a Efficacy and Transfer of Isocycloseram
Among Social and Subsocial Household
Pests and Its Implications in Their Control**

RAJ SARAN, Mark Hoppé, Brittny Blakely &
Brigitte Slaats
SYNGENTA PROFESSIONAL SOLUTIONS

**8:15-8:30a Are Cities "Bioarks" or Invasion Hubs?
Lessons from Atlanta's Ants**

CLINT PENICK & Luke Edenborough
AUBURN UNIVERSITY

**8:30-8:45a Seasonal Cycles of Tawny Crazy Ants in
Florida and Implications for Their Control**

DAVID OI & Rachel Atchison
USDA-ARS CENTER FOR MEDICAL,
AGRICULTURAL & VETERINARY
ENTOMOLOGY

- 8:45-9:00a** **Mitochondrial Diversity of Hybrid Fire Ant Populations in Tennessee**
MARINA ASCUNCE¹, Jason Oliver², Karla Adesso², Nadeer Youssef², Rachel Atchison¹, Agnes Lee¹ & David Oi¹
¹USDA-ARS CENTER FOR MEDICAL, AGRICULTURAL & VETERINARY ENTOMOLOGY, ²Tennessee State University
- 9:00-9:15a** **Natural Product Formulations with Potential to Control Imported Fire Ants**
ABBAS ALI & Ikhlas Khan
NATIONAL CENTER FOR NATURAL PRODUCTS RESEARCH, THE UNIVERSITY OF MISSISSIPPI
- 9:15-9:30a** **Transforming a Key Adaptive Trait into a Fatal Vulnerability: A Deceptive Interface Trap for Fire Ants**
JIAN CHEN
USDA-ARS, SEA, BIOLOGICAL CONTROL OF PESTS RESEARCH UNIT
- 9:30-9:45a** **Old Business, New Challenge for Termite Control**
X. P. HU
AUBURN UNIVERSITY
- 10:00-10:30a** **BREAK**
- 10:30-11:30a** **FINAL BUSINESS MEETING**
- 11:30a-12:30p** **EXECUTIVE COMMITTEE BUSINESS MEETING**

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1990	Francis W. Leichleitner
1992	Charles G. Wright
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1998	Gary H. Bennett
2000	Michael K. Rust
2004	Roger E. Gold
2006	Coby Schal
2008	Nan-Yao Su
2010	Don Reiersen
2012	Shripat Kamble
2014	Jules Silverman
2016	John Klotz
2018	Brian Forschler
2020	Edward Vargo
2022	Chow-Yang Lee
2024	Gerhard Gries

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2010	Karen Vail
2012	Faith Oi
2014	Faith Oi & Grzesiek Buczkowski
2016	Kyle Jordan
2018	Kyle Jordan
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2022	Molly Keck
2024	Carrie Cottone

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