

# Conference Features



*Beyond what's going on in the classroom and meeting rooms, we have a full menu of fun and learning!*

An on-site apiary for hands-on demonstrations and learning, plus a bee Olympics – How fast can you assemble a frame? What other hidden superpowers do you have as a beekeeper? Find out!

Our Honey Show is for all ready competitors, with a honey competition, hive products, photography and crafts. Are you ready to compete? How great is your honey? How good are you at making hive products?

Among the tours planned are two sessions a morning and an afternoon option, to visit the USDA Bee Research Laboratory nearby in Beltsville, Maryland. We will provide bus transportation and USDA staff experts will show you where the research is done.

Kids love to learn about and see bees close up. EAS Maryland will have a Children's Program -- Our team is designing a half-day children's program for both the children of conference attendees and area children. It's part of our outreach to the wider community.

Other conference features will include:

- Silent and live auctions – painted hive boxes, beekeeping treasures, member state gift baskets, fun stuff.
- A Honey Swap – bring your honey to trade
- A top-notch vendor hall



*Tukka inspecting hives for AFB*

# Conference Schedule

*A team of Maryland Beekeepers – the EAS 2024 Maryland committee, is building a rich program of insights, tips, and expertise. What's coming together? Here are some examples.*

- What could “Romancing the drones” be about?
- What all happens in a drone congregation area and how can you find one?
- What's the latest on honey bee behavior and biology?
- How are dogs a part of vigilance against honeybee diseases?
- What gadgets, new tech, and exotic bee equipment is worth considering?
- What's coming in our near future to challenge and delight us as beekeepers?
- How can you take really cool pictures of honey bees?
- Do our bees impact the native pollinators?
- What are the nuts and bolts of urban beekeeping?
- New pests (new mites, hornets, etc.) and what you should know about them
- The latest on treatments for varroa

Plus, you can join us and learn about things you've never heard of that might become part of your beekeeping.

# Short Course Schedule

## SUNDAY, AUGUST 4

Registration: 3:00 – 7:00 pm

Sign up for “Dinner Around Town” on Tuesday pm

Board of Directors Meeting: 5:00 – 7:00 p.m.

Reception in Terrace on the Green 7:00 - 9:00 p.m.

## MONDAY, AUGUST 5

### MORNING

(Subject to Change)

	BEGINNER	INTERMEDIATE	ADVANCED	VALUING OUR BEES AND THEIR CONTRIBUTIONS	APIARY	QUEEN REARING	DEEP DIVE (Ampitheater)
		Increasing your Beeyard	Bees do What Bees do, Managing Bees				Half Day Classes need to attend both parts
7:00-8:00 a.m.	Zumba with Erin Evans						
7:00-8:30 a.m.	Breakfast Buffet in Grand Ballroom (those registered at Turf Valley Resort)						
8:30-9:25 a.m.	Honey Bee Biology  <i>Dr. Deborah Delaney</i>	Making a new queen for \$20  <i>Russell Sprangel</i>	Protecting the beekeeper: Saving your back  <i>Dr. Alan Sokoloff</i>	Rendering wax from comb to that pretty block  <i>Virginia Webb</i>	Mark the drones in five hives, one color per hive 100 drones per hive		EAS Honey Show Judging (part 1)
9:25-9:35 a.m.	10 min transfer time						15 min. Break
9:35-10:30 a.m.	Biology of the Hive  <i>Dr. Deborah Delaney</i>	The nucleus colony honey producer and resource hive  <i>Steve Repasky</i>	Swarm before, during and after  <i>Lisa Marie Ghezzi</i>	Candle making considerations  <i>Virgina Webb</i>	How to light a smoker and KEEP It LIT  <i>Jim Fraser</i>		EAS Honey Show Judging (part 2)
10:30-11:00 a.m.	Snacks in Vendor Area						
11:00 a.m. -12:00 p.m.	Why Beekeeping? What Do I Get from It?	The science of why making splits is important  <i>Dr. Nathalie Steinhauer</i>		Lotions/potions Products of the hive  <i>Valerie Wampler</i>	3 ways of varroa testing in real life sugar, alcohol and CO2		
12:00- 1:30 p.m.	Lunch						

# MONDAY, AUGUST 5

## AFTERNOON

(Subject to Change)

	BEGINNER	INTERMEDIATE	ADVANCED	VALUING OUR BEES AND THEIR CONTRIBUTIONS	APIARY	QUEEN REARING	DEEP DIVE (Ampitheater)  Half Day Classes need to attend both parts	
1:30-2:25 p.m.	What's What? Beekeeping Equipment	Why did my hive die?  <i>Dr. Barry Thompson</i>	New drone-Varroa research  <i>Dr. Zachary Lamas</i>	Honey Tasting Experience  <i>Suzy Spencer</i>	How to do an Inspection the Master Beekeeper Way  <i>John Benham</i>		Honey Bee Biology (part 1)	
2:25-2:35 p.m.	10 min transfer time							15 min. Break
2:35-3:30 p.m.	What Honey Bees Eat. Why & How They Get It	AFB sniffing dogs Demo. Telling AFB from EFB  <i>Cybil Preston</i>	Small Hive Beetles  <i>Dr. Humberto Boncristiani</i>	Honey Tasting Experience (continued)  <i>Suzy Spencer</i>	Inspecting a top bar hive frame correctly  <i>Allen Storm</i>			Honey Bee Biology (part 2)
3:30-4:00 p.m.	Snacks in Vendor Area							
4:00-4:55 p.m.	Inspecting Colonies & Understanding What You See	Plan to succeed: making a personalized action plan  <i>Kim Mehalick</i>	Wax moth life cycle, protecting your comb  <i>Dr. Clyde Strang</i>	Infusing Flavors into your Honey  <i>David Elkner</i>				
5:15-6:00 p.m.	Gentle Yoga with Bridgett Wilson							
	Dinner on your own							
6:00 p.m.	MBK Volunteer Dinner							

## “Deep Dive” half day classes

(in a 75 seat amphitheater)

### EAS HONEY SHOW JUDGING

This class will cover a brief introduction to the history of the EAS Honey Show, principles of judging, and tools needed in a judge's kit. It will also include an introduction to judging extracted honey and beeswax. It is an ideal introduction for everyone pursuing honey judging certification or those wanting to improve their honey show entries.

### HONEY BEE BIOLOGY

This presentation dives deep into the biology of the honey bee and the colony as a whole – essential for successful beekeeping. Designed for beekeepers with at least 2-years experience.

# Short Course Schedule

TUESDAY, AUGUST 6  
MORNING

(Subject to Change)

	BEGINNER	INTERMEDIATE	ADVANCED		APIARY	QUEEN REARING	DEEP DIVE (Amphitheater) Half Day Classes need to attend both parts
7:00-8:00 a.m.	Zumba with Erin Evans						
7:00-8:30 a.m.	Breakfast Buffet in Grand Ballroom (those registered at Turf Valley Resort)						
8:30-9:25 a.m.	Think Like a Beekeeper. Setting Goals, Making a Plan & Executing It	TBD	Setting up and maintaining observation hive  <i>Frank Linton</i>	A Honey Bee Human: Physiology of a Superorganism  <i>Dr. Crystal Llebmanking</i>			Making Splits & Nucs Bee Math, and Its Importance <i>Kim Mehalick</i>
9:25-9:35 a.m.	10 min transfer time						Science of splits <i>Dr. Steinhauer</i>
9:35-10:30 a.m.	Beating the Odds. Making it Through the Early Years	Native bees versus honey bees. Is it really a competition?  <i>Tim McMann</i>	What I've learned from My observation hive  <i>Phil Frank</i>	Understanding Bee Stings for beekeepers.  <i>Dr. David Golden</i>			Various Split Types (walkaway, planned) <i>Pam Hepp</i>
10:30-11:00 a.m.	Snacks in Vendor Area						Using a Snelgrove Board for Swarm Prevention and Making Splits <i>Kim Mehalick</i>
11:00 a.m. -11:55 p.m.	Recognizing Problems Early & Correcting Them	TBD	Remote Monitoring  <i>William Meikle</i>	Responsible Treatment Free Management  <i>Kevin Inglin</i>			What Makes a Good Nuc <i>Eric Malcolm</i>  Guidance Questions for Nuc Buyers
12:00- 1:30 p.m.	Lunch						

## “Deep Dive” half day class

(in a 75 seat amphitheater)

### MAKING SPLITS & NUCS

This class will cover basic bee math and it's importance, as well as the science of making splits. It will also teach about the various types of splits and explain what a quality nuc includes. This presentation will help beekeepers grow their apiary.

# TUESDAY, AUGUST 6

## AFTERNOON

(Subject to Change)

	BEGINNER	INTERMEDIATE	ADVANCED		APIARY	QUEEN REARING	DEEP DIVE (Amphitheater)  Half Day Classes need to attend both parts
1:30-2:25 p.m.	Pests & Diseases (part 1)  <i>Cybil Preston</i>	The Strength of Study Groups, and Evolution in Maryland  <i>David Schultz</i>	Lessons Learned Going from 2-800 Hives (Don't learn it the hard way)  <i>Jason Hough</i>	Getting Good Bee Pictures with your Cell Phone  <i>Phil Frank</i>			Varroa Biology & All Legal Mite Treatments (part 1)  15 min. Break  Varroa Biology & All Legal Mite Treatments (part 2)
2:25-2:35 p.m.	10 min transfer time						
2:35-3:30 p.m.	Pests & Diseases (part 2)  <i>Cybil Preston</i>	Encouraging New Beekeepers to Step Up. Keeping the Young Alive  <i>MD MBK study group</i>	Setting up contracts: Considerations Equipment Standardization  <i>Jim Fraser</i>	Single Deep Hive Body Management  <i>Steve Repasky</i>			
3:30-4:00 p.m.	Snacks in Vendor Area						
4:00-4:55 p.m.	Master Beekeeper Roundtable	Mentoring Programs that work setting up a Club Teaching Apiary  <i>Maureen Jais Mick</i>	Finances for your Bee Farm  <i>Erin Evans, CPA</i>	Honey Bee GPS Mobility Mechanisms  <i>David Schultz</i>			
5:15-6:00 p.m.	Gentle Yoga with Bridgett Wilson						
6:30 p.m.	Dine Around Town with EAS Hosts						

### “Deep Dive” half day class

(in a 75 seat amphitheater)

### VARROA MITE BIOLOGY & ALL LEGAL MITE TREATMENTS

This class covers Varroa Mite Biology and the description and use of all legal mite treatments and will be taught by a group of Maryland EAS Master Beekeepers. Knowing and understanding Varroa will help you better combat these mites and keep your colonies alive.

# Conference Schedule

WEDNESDAY, AUGUST 7

MORNING

(Subject to Change)

7:00 -8:00 a.m.	Zumba – Erin Evans
7:00-8:30 a.m.	Breakfast Buffet in Grand Ballroom (those registered at Turf Valley Resort)
7:30 a.m.-4:00 p.m.	Registration and Honey Exchange Dropoff
8:30 a.m.-11:00 a.m.	Honey Show Entries Accepted
8:30 a.m.-12:30 p.m.	Master Beekeeper - Lab Exam
9:00 a.m.-4:30 p.m.	Master Beekeeper - Field Exam <i>Testing Apiary</i>
8:30-8:45 a.m.	Introductions and Welcome – <i>Eloise Naylor</i> , EAS Chair & <i>David Morris</i> , EAS President
8:45-9:00 a.m.	Welcome from the Maryland State Department of Agriculture Secretary, Kevin Atticks
9:00-9:30 a.m.	30 Minute Break – Snacks in Vendor Area
9:30 -10:30 a.m.	<i>Dr. Michelle Flenniken</i> , The Impact of Viruses on Honey Bee Health at the Colony, Individual Bee, and Cellular Levels
10:30 -11:30 a.m.	<i>Dr. Elizabeth A. Capaldi</i> , Bucknell University
11:30a.m.-1:00p.m.	Lunch and Visit Vendors

# WEDNESDAY, AUGUST 7

AFTERNOON

(Subject to Change)

50-minute workshops	The Bees Knees	Romancing the Drones	Oh, What You'll See When You Think Like a Bee	Potpourri	Apitherapy	APIARY (Teaching Apiary)
1:00-1:50 p.m.	A Honey Bee Human: Physiology of a Superorganism  <i>Dr. Crystal Lehman</i>	Flooding DCAs with Drones  <i>Mark Gingrich</i>	Scent Detection Demo, Canines Tukka, Mack and their Handler  <i>Cybil Preston</i>	Miticides  <i>Dr. Steve Cook</i>	Propolis  Debbie Klughers	Marking Drones
1:50-2:00 p.m.	10 min break/ transfer time					
2:00-2:50 p.m.	Honey bees and their Viruses  <i>Dr. Michele Flenniken</i>	Wax On, Wax Off: Making Award Winning Candles  <i>Virginia Webb</i>	State Apiary Inspectors Panel  <i>Natasha Garica-Anderson, Lead</i>	<i>Perpetual Beekeeping</i>  <i>Dorinda Priebe</i>	Unique Products of the Hive for Apitherapy  Dr Petrusia Kotlar	Varroa Testing
2:50-3:20 p.m.	30 Minute Break – Snacks in Vendor Area					
3:20-4:10 p.m.	Almost Every Device Under the Beekeeping Sun  <i>Russell Sprangel</i>	Game of Drones PART 1 Lecture  <i>Julia Mahood</i>	Honey Bee Nutrition  <i>Vince Aloyo</i>	Longtime Disease Trends from the USDA's Bee Disease Diagnostic Service  <i>Sam Abban</i>	Topic: TBD	Accessible Apiary  <i>Dr. Adam Ingrao</i>
4:10-4:20 p.m.	10 Minute Break / transfer time					
4:20-5:10 p.m.	Almost Every Device Under the Beekeeping Sun  <i>Russell Sprangel</i>	Game of Drones PART 2 Flying a Drone-Outdoors  <i>Julia Mahood</i>	ABF Vaccine  <i>Nathen Reid (Dalan Co.)</i>	Spotted Lantern Fly Honey for Medicine  <i>Dr. Petrusia Kotlar</i>	Topic: TBD	
5:15-6:00 p.m.	Gentle Yoga – Bridgett J. Wilson					
5:15-6:30 p.m.	Bee Olympics - Apiary					
6:00 p.m.	Happy Hour					
6:30-9:00 p.m.	BBQ Dinner					

# Conference Schedule

THURSDAY, AUGUST 8

MORNING

*(Subject to Change)*

<b>7:00-8:00 a.m.</b>	Zumba – Erin Evans
<b>7:00-8:30 a.m.</b>	Breakfast Buffet in Grand Ballroom (those registered at Turf Valley Resort)
<b>7:30 a.m.-4:00 p.m.</b>	Registration and Honey Exchange Dropoff
<b>8:00 a.m.-12:00 p.m.</b>	USDA Bee Research Laboratory, Beltsville, MD– Tour 1 (pre-registration required)
<b>10:30 a.m.-5:00 p.m.</b>	Honey Show Open for Viewing
<b>8:30-8:45 a.m.</b>	Conference Updates – Eloise Naylor, EAS Chair & David Morris, EAS President
<b>8:45-9:35 a.m.</b>	Presentation by the 2024 Hambleton Award Winner – <i>Who will be selected in early 2024</i>
<b>9:35-10:05 a.m.</b>	30 Minute Break – Snacks in Vendor Area
<b>10:05- -11:05 a.m.</b>	Sam Droege: How Bees Native and Non, Split Up the Plant World for Foraging
<b>11:05 a.m.-12:05 p.m.</b>	Presenter and Topic TBD
<b>12:05 -1:00 p.m.</b>	Life Member Luncheon (open to Life Members who have pre-registered and paid in advance)
<b>12:05 -1:00 p.m.</b>	Lunch and Visit Vendors



# THURSDAY, AUGUST 8

AFTERNOON

(Subject to Change)

50-minute workshops	Bee Stuff	Photography	Accessible Beekeeping	Out of Africa	Urban Beekeeping	Think Like a Bee: Outside The Box	APIARY
1:00-5:00 p.m.	USDA Bee Research Laboratory, Beltsville, MD– Tour 2 (pre-registration required)						
1:00-1:50 p.m.	The Unappreciated Drones (and why you should care about them)  <i>Dr. Jon Zawislak</i>	Taking High Resolution Stacked Photos of Bees Using Common SLR Equipment  <i>Sam Droege</i>	Accessibility in the Bee Yard  <i>Dr. Adam Ingraio</i>	Africanized Honey Bee Update  <i>Dr. Dewey Caron</i>	Beekeeping in, of, or for the City  <i>Dr. Eve Bratman</i>	Insect Societies from Kings & Queens to Just Plain Wasps  <i>Dr. James Wilson</i>	Hives Langstroth Did Not Invent  <i>Allan Storm</i>
1:50-2:00 p.m.	10 min break/ transfer time						
2:00-2:50 p.m.	Topic: TBD  <i>2024 Hambleton Award Winner</i>	How to Take Bee Pictures with Your Phone"  <i>Phil Frank</i>	Assistive Technology for Accessible Beekeeping  <i>Representative from AgrAbility</i>	Topic: TBD	Model Urban Beekeeping Projects and Practices from a Crowded City  <i>Mark Patterson</i>	Topic: TBD	Evaluating a Good Colony Versus a Bad One  <i>Dr. Jeff Pettis</i>
2:50-3:20 p.m.	30 Minute Break – Snacks in Vendor Area						
3:20-4:10 p.m.	Nectar Producing Plants for Honey Bees  <i>Presenter TBD</i>	Thermoregulation and Ventilation  <i>Bill Hesbach</i>	AZ' Hive Discussion <i>Jonna Sanders</i>	Veterinary Feed Directive  <i>Dr. Rebecca A. Krimins</i>	Critical Assets Every Urban Beekeeper Needs  <i>Charles DeBarber</i>	Anticipatory Beekeeping  <i>Dr. Dewey Caron</i>	Examining Sterilized AFB Comb  <i>Don Hopkins</i>
4:10-4:20 p.m.	10 Minute Break / transfer time						
4:20-5:10 p.m.	Topic: TBD  <i>2024 Hambleton Award Winner</i>	What New Pests May Be Coming: Hornets, etc.  <i>Dr. Jeff Pettis</i>	Therapeutic Values of Keeping Bees  <i>Monica Schmidt</i>	Bees Don't Bite: Facts about Bee Stings that every beekeeper should know  <i>Dr. Barry Thompson MD</i>	Nuts and Bolts of Urban Beekeeping  <i>Toni Burnham</i>	Attracting Bees to Your Garden & Bee Nesting Boxes  <i>Mark Patterson</i>	
5:15-6:00 p.m.	Gentle Yoga – Bridgett J. Wilson						
6:00 p.m.	Happy Hour						
6:30 p.m.	Dinner, Live Auction and Honey Show Silver Awards						

# Conference Schedule

FRIDAY, AUGUST 9

MORNING

*(Subject to Change)*

7:00-8:00 a.m.	Zumba – Erin Evans
7:00-8:30 a.m.	Breakfast Buffet in Grand Ballroom (those registered at Turf Valley Resort)
7:30-8:30 a.m.	Master Beekeeper Annual Meeting
7:30 a.m.-noon	Registration
8:30-8:45 a.m.	Conference Updates – <i>Eloise Naylor</i> , EAS Chair & David Morris, EAS President
8:45-9:35 a.m.	Presentation by the 2024 Morse Award Winner – <i>Who will be selected in early 2024</i>
9:35-10:05 a.m.	30 Minute Break – Snacks in Vendor Area
10:05-11:05 a.m.	Dr. Jeff Pettis, Beekeeping in a Changing World
11:05-11:20 a.m.	Michigan EAS 2025 Conference Introduction
11:20 a.m.-12:15 p.m.	EAS Annual Business Meeting
12:15-1:00 p.m.	Lunch

# FRIDAY, AUGUST 9

AFTERNOON

(Subject to Change)

50-minute workshops	Are you Smarter Than a Fifth Instar Larva?	Research, etc.	Regional Beekeeping	Bee Skills	Reaching Out	Communication and Bee Health	Apiary
1:00-1:50 p.m.	Topic: TBD <i>2024 Morse Award Winner</i>	Research Project  <i>Burton Beasley</i>	Regional Beekeeping: North, Mid Atlantic, South Part 1	Difference Between Native Bees and Honey Bees  <i>Tim McMahon</i>	Youth Programs  <i>Cathy Misko</i>	Good & Bad Microbes in Bee Colonies  <i>Dr. Jay Evans</i>	Pulling Queen Cells  <i>Jen Keller</i>
1:50-2:00 p.m.	10 min break/ transfer time						
2:00-2:50 p.m.	Tools & Tips  <i>Debbie Klughers</i>	Setting Up a Self-Service Store to Sell Honey  <i>Landi Simone</i>	Regional Beekeeping: North, Mid Atlantic, South Part 2	EAS Master Beekeeper Program: History, Why & How  <i>Erin Evans</i>	Bee Zoning Laws  <i>David Frank</i>	Pheromones: Chemical Communication in the Hive  <i>Dr. James Wilson</i>	
2:50-3:20 p.m.	30 Minute Break – Snacks in Vendor Area						
3:20-4:10 p.m.	Topic: TBD <i>2024 Morse Award Winner</i>	We're Caught in a Trap: Small Hive Beetles  <i>Dr. Humberto Boncristiani</i>	Pollen  <i>Bill Hesbach</i>	Setting up a Home Microscopy Workshop  <i>Eric Smith</i>	Pysanki-making Workshop  <i>Evelyn Hogg</i>	Novel Disease Treatments  <i>Dr. Jay Evans</i>	
4:10-4:20 p.m.	10 Minute Break / transfer time						
4:20-5:10 p.m.	Speaker Panel with Keynotes and Award Winners						
6:00-6:30 p.m.	Happy Hour						
6:30 - 9:00 p.m.	Awards Banquet and Dinner						

# SATURDAY, AUGUST 10

7:00 - 8:30 a.m. - Breakfast Buffet in Grand Ballroom (those registered at Turf Valley Resort)