Program Schedule

LEPIDOPTERISTS' SOCIETY / SOUTHERN LEPIDOPTERISTS' SOCIETY / ASSOCIATION FOR TROPICAL LEPIDOPTERA / SOCIETAS EUROPAEA LEPIDOPTEROLOGICA

Joint Annual Meeting

(*All times are given in Pacific Daylight Time; Eastern Daylight Time is **+3**, Brasília Time is **+4**, UTC is **+7**, Central European Summer Time is **+9**, Indian Standard Time is **+12.5**, and China Standard Time is **+15***)

Have a question about the schedule? Let us know at meeting@lepsoc.org.

Want a Meeting shirt, mug, water bottle, and more? Check out the Meeting's CafePress store: https://www.cafepress.com/dd/126323233

The 2021 Lepidopterists' Society Meeting may be virtual, but we still want to see what you're collecting and observing!
Reports of caterpillars, moths, butterflies, and anything else Lepidoptera are welcome! All you need to do to join is:

1. Join the iNaturalist project (https://www.inaturalist.org/projects/2021-annual-meeting-of-the-lepidopterists-society-bioblitz).
2. Get outside and find some Leps during the week of the conference (August 14th – 22nd)!
3. Photograph what you find and upload it to iNaturalist.
4. Help other people identify their observations.

We can't wait to see what you find! If you have any questions, please contact Elizabeth Barnes (barne175@purdue.edu).

PLEASE NOTE: All sessions have a firm start time, but if presentations run short within a session, ***the later presentations within that session will start earlier than what is listed here in the schedule****. So if you are tuning in for a presentation midway through a session, be sure to join earlier than the time listed for it below, or you might miss part of it. If a session ends early, the break following that session will be extended so as not to affect the start time of the following session.*

AUGUST 17 (TUESDAY)

9:30 am – 1:30 pm **Lepidopterists' Society Executive Council Meeting**

(*The other Societies may choose to have their business meetings on Tuesday as well*)

AUGUST 18 (WEDNESDAY)

8:00 am – 8:15 am **Welcome and introductions**

POSTER PRESENTATIONS (* *indicates the presenter*)

Session 1

8:15 am – 8:22 am **False antennae and a little sex in hairstreak butterflies**
Carlos Cordero*, Camilo Medina, Tania López Palafox & Armando Luis Martínez

8:23 am – 8:30 am **Documenting a biogeographic crossroads: the butterfly biodiversity of the Central Arizona Highlands**
Philip S. McNally*

8:30 am – 8:37 am (STUDENT) **The phylogeny of the genus *Amerila* (Lepidoptera: Erebidae: Arctiinae)**
Nikolai Ignatev* & Zdenek Faltynek Fric

8:38 am – 8:45 am (STUDENT) **Neotropical montane butterflies: a historical perspective on diversity patterns**
Patricia Eyng Gueratto*, Luiza de Moraes Magaldi, Karina Lucas Silva-Brandão, Thadeu Sobral de Souza & André Victor Lucci Freitas

8:45 am – 8:52 am (STUDENT) **Different altitudinal ranges are related to current population structure and genetic diversity of montane butterflies**
Luiza de Moraes Magaldi*, Patricia Eyng Gueratto, Thadeu Sobral de Souza, Karina Lucas Silva-Brandão & André Victor Lucci Freitas

8:53 am – 9:15 am **BREAK**

Session 2

9:15 am – 9:22 am (STUDENT) **New records of *Adelpha atlantica* Willmott, 2003 (Nymphalidae: Limenitidinae) might clarify its current conservation status**
Augusto Henrique Batista Rosa* & André Victor Lucci Freitas

9:23 am – 9:30 am (STUDENT) **Change of body mass and thorax width with age in a natural butterfly population**
Kata Pasztor*, Adam Gor, Adam Korosi & Janos Kis

9:30 am – 9:37 am (STUDENT) **Effects of prescribed burning on butterfly populations in coastal South Texas**
Rebecca Zerlin*, Sandra Rideout-Hanzak, David B. Wester, Richard Patrock, Tyler Campbell & Landon Schofield

9:38 am – 9:45 am (STUDENT) **What effect does drought-stressed *Thlaspi arvense* have on the *Pieris macdunnoughii* larval instar stages?**
Kelley Asselin*, Nitin Ravikanthachari & Carol L. Boggs

9:45 am – 9:52 am (STUDENT) **Persistence of maladaptation between a specialized butterfly and an exotic lethal host plant**
Nitin Ravikanthachari*, Rachel A. Steward & Carol L. Boggs

9:53 am – 10:15 am **BREAK**

Session 3

10:15 am – 10:22 am	(STUDENT) **Does light attract butterflies to puddling sites?** Hannah Walton* & Carol L. Boggs
10:23 am – 10:30 am	(STUDENT) **Distribution of egg clusters on host plant by *Euphydryas gillettii*** Nimue' Shive*, Justin DuRant & Carol L. Boggs
10:30 am – 10:37 am	(STUDENT) **Monandry in *Leptophobia aripa* (Pieridae): absence of digestive apparatus in the corpus bursae** David Xochipiltecatl*, Carlos R. Cordero & Joaquín Baixeras
10:38 am – 10:45 am	(STUDENT) **We're all in this together: effects of physical and pheromonal larval interactions on Indian meal moth silk production** Toshita V. Barve*, Christian Couch, Hailey Dansby, Amanda Markee, Akito Y. Kawahara & Caroline Storer
10:45 am – 10:52 am	(STUDENT) **Identifying and testing gRNA target sites for silk gene editing in the Indian meal moth, *Plodia interpunctella*** Christian Couch*, Amanda Markee, Bryce Shirk, Paul Shirk, Richard Furlong, Rebeccah Messcher, Akito Y. Kawahara & Caroline Storer
10:53 am – 12:30 pm	**LONG BREAK** (*can be used for affinity-group sessions, society business meetings, and/or meal break; schedule on your own via the meeting spreadsheet*)

ORAL PRESENTATIONS (** indicates the presenter*)

Session 4

12:30 pm – 12:45 pm	(STUDENT) **Population variation in defense of a widespread specialist butterfly** Megan Zabinski* & Deane Bowers
12:45 pm – 1:00 pm	(STUDENT) **The influence of host plants on the immunology of the Fall webworm** Audrey Mitchell*
1:00 pm – 1:15 pm	(STUDENT) **Monarch egg laying rates on native vs non-native milkweeds and the potential impacts on species health** David Berman* & Kristen Baum
1:15 pm – 1:30 pm	(STUDENT) **The dispersal of microbes among and within flowers by butterflies** Malia Olson* & Carol L. Boggs
1:30 pm – 1:50 pm	**BREAK**

Session 5

1:50 pm – 2:05 pm	(STUDENT) **Flying by night: comparing two crepuscular pollinator networks in Western North America** Daria Syskine* & Carol L. Boggs
2:05 pm – 2:20 pm	(STUDENT) **Behavioral response of unpalatable *Heliconius* butterflies to predatory bird calls** Sushant Potdar* & Erica L. Westerman
2:20 pm – 2:35 pm	(STUDENT) **Fluttering in the margins: the role of Lepidoptera in literary fiction** Hailey Dansby*
2:35 pm – 2:50 pm	(STUDENT) **Cracking the case: high-elevation adaptation in the mitochondria of Colorado caddisflies (Trichoptera)** Mackenzie R. Alexiuk* & Jeffrey M. Marcus
2:50 pm – 3:05 pm	**BREAK**
3:05 pm – 5:00 pm	**LepSoc 2021 Virtual Happy Hour/Social**
5:00 pm –	*Time left open for affinity-group sessions and/or society business meetings; schedule on your own via the meeting spreadsheet*

AUGUST 19 (THURSDAY)

7: 55 am – 8:00 am **Announcements** (*if needed*)

ORAL PRESENTATIONS (* *indicates the presenter*)

Session 6

8:00 am – 8:15 am **Phylogenetic structure of Central and Northern European caterpillar assemblages**
Patrick Strutzenberger* & Konrad Fiedler

8:15 am – 8:30 am **Using bait traps to study high Andean fruit-feeding butterflies diversity**
Mario Alejandro Marín*, André Victor Lucci Freitas, Alejandra Clavijo, Tomasz Pyrcz, Sandra Uribe, Cristiano Agra Iserhard & Carlos Federico Álvarez

8:30 am – 8:45 am **Temporal patterns of tropical butterflies: are there good temporal bioindicators among an entire community in the Atlantic Forest?**
Junia Yasmin Oliveira Carreira*, Keith Spalding Brown Jr. & André Victor Lucci Freitas

8:45 am – 9:05 am **BREAK**

Session 7

9:05 am – 9:20 am (STUDENT) **Assessment of lepidoptera diversity in paddy field ecosystem of proposed butterfly conservation reserve Mahadare (WG), Satara (MS), India**
Gayatri Pawar*, Shweta Sutar, Pooja Misal, Pratima Pawar, Neha Bendre & Sunil Bhoite

9:20 am – 9:35 am (STUDENT) **How does sampling design influence our understanding of pollinator biodiversity? Assessing butterflies and bees with Pollard walks**
Leonardo Viliani*, Federico Riva, Simona Bonelli & Monica Vercelli

9:35 am – 9:50 am (STUDENT) **Alpha and beta diversity patterns of macro-moths reveal a breakpoint along a latitudinal gradient in Mongolia**
Khishigdelger Enkhtur*, Gunnar Brehm, Bazartseren Boldgiv & Martin Pfeiffer

9:50 am – 10:05 am (STUDENT) **Plant host species, larval foraging behaviour, adult habitat use of and forest stewardship opportunities for the western endangered Mottled duskywing population in Manitoba**
Justis Henault* & Richard Westwood

10:05 am – 10:25 am **BREAK**

Session 8

10:25 am – 10:40 am (STUDENT) **Eastern greater fritillaries' potential distributions using ecological niche models**
Emily A. Geest* & Kristen A. Baum

10:40 am – 10:55 am (STUDENT) **Land-cover in Cuba may favor biodiversity: an example using *Urania boisduvalii***
Claudia Nuñez-Penichet*, Juan Maita-Chamba & Jorge Soberon

10:55 am – 11:10 am (STUDENT) **Completeness of knowledge of the butterflies of the State of Kansas**
Claudia Nuñez-Penichet* & Jorge Soberon

11:10 am – 11:25 am (STUDENT) **Mitogenomics in *Hyles* moths: relationships of Central Asian *H. hippophaes* and *H. chamyla***
Franziska Patzold-Knohl*

11:25 am – 12:55 pm **LONG BREAK** (*can be used for affinity-group sessions, society business meetings, and/or meal break*)

Session 9

12:55 pm – 1:10 pm	(STUDENT) **Polka dot moths: spirits of the Madagascan forests (Noctuoidea: Erebidae: Arctiinae: Syntomini)** Marcin Wiorek* & Łukasz Przybyłowicz
1:10 pm – 1:25 pm	(STUDENT) **Molecular systematics and biogeography of the Danaini (Nymphalidae: Danainae)** Renato Nunes* & David Lohman
1:25 pm – 1:40 pm	(STUDENT) **Speciation in North American *Junonia* from a genomic perspective** Qian Cong, Jing Zhang*, Jinhui Shen, Xiaolong Cao, Christian Brevignon & Nick V. Grishin
1:40 pm – 1:55 pm	(STUDENT) **Where the subfamilies end, and the families begin** Jose I. Martinez*, Jacqueline Y. Miller, B. Christian Schmidt & Akito Y. Kawahara
1:55 pm – 2:15 pm	**BREAK**

Session 10

2:15 pm – 2:30 pm	**Journey to the center of a wing vein: what Lepidoptera can teach us about universal biological laws** Sandra R. Schachat*
2:30 pm – 2:45 pm	**On the phenotypic plasticity of the Ornate bella moth, *Utetheisa ornatrix* L.** Andrei Sourakov*, Clara J. Brandon, Isaac Long, Logan M. Locascio, Alyssa M. Quinn, Eric Anderson, Jodie V. Johnson, Eve N. Rowland, Lisa A. Taylor & Hans T. Alborn
2:45 pm – 3:00 pm	**Common names of North American plume moths (Lepidoptera: Pterophoridae)** Deborah L. Matthews* & Charles V. Covell, Jr.
3:00 pm – 3:20 pm	**BREAK**
3:20 pm – 4:10 pm	(KARL JORDAN MEDAL AWARD) **On the steps of Bates, Jordan, and Döring: visual guide to the lepidopterological autobiography of Jorge Llorente-Bousquets** Jorge Llorente-Bousquets*
4:10 pm –	*Time left open for affinity-group sessions and/or society business meetings; schedule on your own via the meeting spreadsheet*

AUGUST 20 (FRIDAY)

7: 55 am – 8:00 am	**Announcements** (*if needed*)

ORAL PRESENTATIONS (* *indicates the presenter*)

Session 11

8:00 am – 8:15 am	**Unique duplication of tRNA in Tagiadini (Lepidoptera: Pyrginae) and implications for phylogeny within Hesperiidae** Jiaqi Liu, Xiangyu Hao, Fanfang Liu & Xiangqun Yuan*
8:15 am – 8:30 am	**Taxonomy of Indian Tortricidae: history, progress, challenges and opportunities** Pathour R. Shashank*, Santhosh Naik & Sunil Sunil
8:30 am – 8:45 am	**Two chromosome-level hawkmoth genomes corroborate FISH karyotype of n=29** Anna K. Hundsdoerfer*, Martin Pippel, David Jebb, Atsuo Yoshido, Frantisek Marec, Hana Daneck, Franziska Patzold-Knohl, Sylke Winkler, Heiko Vogel, Gene Myers, Tilman Schell & Michael Hiller
8:45 am – 9:00 am	**Insights into "barcode" COI gene characterization and phylogeny of South American Noctuinae** Germán San Blas*

9:00 am – 9:20 am **BREAK**

Session 12

9:20 am – 9:35 am **Current state of Mimallonidae research**
Ryan A. St Laurent*

9:35 am – 9:50 am **The relationships of some more aberrant pyralids**
James E. Hayden*

9:50 am – 10:05 am **A new genus of Castniinae (Lepidoptera: Castniidae) with comments on comparative morphology and bionomics of its assigned species**
Jacqueline Y. Miller*, Jorge M. González, Bernardo López G., Oscar Galindo & John Phill Huerta P.

10:05 am – 10:20 am **The common, the rare and the lost: new ithomiines from western South America**
Keith R. Willmott*, Gerardo Lamas & Jason P. W. Hall

10:20 am – 10:40 am **BREAK**

Session 13

10:40 am – 10:55 am **Genomics reveals the origins of historical specimens**
Qian Cong*, Jinhui Shen, Jing Zhang, Wenlin Li, Lisa N. Kinch, John V. Calhoun, Andrew D. Warren & Nick V. Grishin

10:55 am – 11:10 am **Phylogenomics reveals the evolutionary timing and pattern of butterflies and moths**
Akito Y. Kawahara*

11:10 am – 11:25 am **Conventional taxonomic wisdom vs. genomic sequence analysis**
Jing Zhang, Qian Cong, Jinhui Shen, Paul A. Opler & Nick V. Grishin*

11:25 am – 12:55 pm **LONG BREAK** (*can be used for affinity-group sessions, society business meetings, and/or meal break; schedule on your own via the meeting spreadsheet*)

Session 14

12:55 pm – 1:10 pm **A list of the butterflies of Cristalino Lodge (MT, Brazil)**
Luísa L. Mota* & André Victor Lucci Freitas

1:10 pm – 1:25 pm **The *Catocala* of (northwest) Georgia; or, what to do when Covid-19 won't let you travel**
James K. Adams*

1:25 pm – 1:40 pm **Making sense of micros: resources for identifying North American leafminers**
Charles S. Eiseman*

1:40 pm – 1:55 pm **From a casual sip to drinking from a fire hose: using iNaturalist to document the Lepidoptera of NY**
Jason J. Dombroskie* & Hugh McGuinness

1:55 pm – 2:15 pm **BREAK**

2:15 pm – 2:20 pm **Winners announced for Best Student Poster and Best Student Oral Presentation**

2:20 pm – 3:00 pm (PRESIDENTIAL ADDRESS) **Emergence of a lepidopterist from the southern tip of Texas**
M. Alma Solis*

3:00 pm – 3:10 pm **Closing remarks / Meeting conclusion / Announcements of next year's meetings**

3:10 pm – *Time left open for affinity-group sessions and/or society business meetings; schedule on your own via the meeting spreadsheet*