

AOS 2018 Annual Conference

**F** Field Trip

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**APRIL 8 • SUNDAY**

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2:00pm – 4:00pm

**F Chiricahua Mountains- Requires Pre-Registration**  
*Volunteers: John Yerger*

Presidio Registration Foyer

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# AOS 2018 Annual Conference

**A** Affiliate Meeting    **N** AOS Council & Business Meetings    **F** Field Trip    **W** Workshop

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## APRIL 9 • MONDAY

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| 6:00am – 3:00pm  | F | <b>Ruby Road/Pena Blanca- Requires Pre-Registration</b><br><i>Volunteers: Laurens Halsey</i> | Presidio Registration Foyer |
| 8:30am – 4:30pm  | A | <b>North American Banding Council</b>  | Coronado I                  |
| 12:00pm – 5:00pm | N | <b>AOS Executive Committee</b>   | Joshua Tree                 |
| 1:00pm – 5:00pm  | W | <b>Professional Development for Current and Prospective Graduate Students (Lanyon)</b>       | Presidio I                  |
| 4:00pm – 10:00pm | F | <b>Mt. Lemmon Owling- Requires Pre-Registration</b><br><i>Volunteers: Jennie MacFarland</i>  | Presidio Registration Foyer |
| 6:00pm – 9:00pm  | N | <b>AOS Council Meeting</b>   | Joshua Tree                 |

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# AOS 2018 Annual Conference

- A** Affiliate Meeting    **N** AOS Council & Business Meetings    **F** Field Trip    **K** Keynote Address    **R** Roundtable  
**V** Special Events    **T** Ticketed Event    **W** Workshop

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## APRIL 10 • TUESDAY

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| 6:00am – 3:00pm  | <b>F</b> <b>Madera Canyon- Requires Pre-Registration</b><br><i>Volunteers: Melody Kehl &amp; Jeff Babson</i>   | Presidio Registration Foyer       |
| 8:00am – 12:00pm | <b>R</b> <b>Roundtable 1: Challenges and opportunities for conservation of non-migratory birds in North America</b>  | Presidio I                        |
| 8:00am – 3:00pm  | <b>N</b> <b>AOS Council Meeting</b>  | Joshua Tree                       |
| 8:00am – 5:00pm  | <b>W</b> <b>Get spatial! Using R as GIS and spatial analyses</b>   | Presidio II                       |
| 8:00am – 5:00pm  | <b>W</b> <b>Packages for streamlined bioacoustics analyses in R</b>  | Coronado I                        |
| 8:00am – 5:00pm  | <b>W</b> <b>Taking the Next Step with R: Data Management, Publication Quality Graphics and Function Building</b>   | Coronado II                       |
| 8:30am – 4:30pm  | <b>A</b> <b>North American Banding Council</b>   | Agave                             |
| 1:00pm – 4:00pm  | <b>W</b> <b>Making Science More Inclusive: Identity, Mentoring, and a Game of Cards</b>  | Presidio I                        |
| 4:00pm – 5:30pm  | <b>N</b> <b>Fellows Meeting</b>  | Presidio III-IV                   |
| 5:30pm – 7:00pm  | <b>T</b> <b>Fellows Dinner</b>   | Sundance Café                     |
| 7:00pm – 8:00pm  | <b>K</b> <b>Keynote Address: On the diversity, coexistence and conservation of grassland sparrows</b><br><i>Speakers: Dr. H. Ronald Pulliam</i><br><i>Sponsors: American Ornithological Society &amp; Tucson Audubon Society</i> | Presidio III-V                    |
| 8:00pm – 10:00pm | <b>V</b> <b>AOS 2018 Opening Reception</b><br><i>Sponsors: Hilton El Conquistador</i>  | Colibri Lobby Lounge & Hotel Lawn |

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# AOS 2018 Annual Conference

- N AOS Council & Business Meetings  
 C Coffee Break  
 O Concurrent Session  
 E Exhibitors  
 F Field Trip  
 P Plenary  
I Poster Session  
 S Silent Auction  
 V Special Events  
 M Symposium

## APRIL 11 • WEDNESDAY

|                   |   |  |                             |
|-------------------|---|--|-----------------------------|
| 6:30am – 12:00pm  | F | <b>Sabino Canyon- Requires Pre-Registration</b><br><i>Volunteers: Jean &amp; Mark Hengesbaugh</i>  | Presidio Registration Foyer |
| 7:00am – 11:30am  | F | <b>Catalina State Park- Requires Pre-Registration</b><br><i>Volunteers: Kathe Anderson</i>   | Presidio Registration Foyer |
| 8:00am – 10:00am  | P | <b>Welcome Address and Plenary: Prospects for tropical birds and a changing world</b><br><i>Speakers: Jeff Brawn</i>   | Presidio III-V              |
| 8:00am – 9:00pm   | E | <b>Exhibit Hall</b>  | Turquoise Ballroom          |
| 10:00am – 10:30am | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Turquoise Foyer             |
| 10:00am – 10:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Presideo Foyer              |
| 10:30am – 10:45am | O | <b>Fitness consequences of hybridization in Saltmarsh and Nelson's sparrows</b><br><i>Moderators: Logan M Maxwell</i><br><i>Speakers: Adrienne I Kovach, Brian J Olsen, Jennifer Walsh</i>   | Presidio I                  |
| 10:30am – 10:45am | O | <b>Lack of nest defense behavior leaves endemic Caribbean ground-nesting birds more vulnerable to depredation by invasive mammals</b><br><i>Moderators: Holly M Garrod</i><br><i>Speakers: Robert L Curry</i>                                | Coronado II                 |
| 10:30am – 10:45am | O | <b>Movements and demography of the Brown-capped Rosy-Finch</b><br><i>Moderators: T. Luke George</i><br><i>Speakers: Garth Spellman, Raymond VanBuskirk, Erika Zavaleta</i>   | Coronado I                  |
| 10:30am – 10:45am | O | <b>Parasitic Indicators of Foraging Strategies in Wading Birds-A Great Blue Heron Case Study</b><br><i>Moderators: Sarah Ellen Gumbleton</i><br><i>Speakers: Christopher A. Blonar, Amy C. Hiron, David W. Kerstetter</i>                    | Presidio II                 |
| 10:30am – 10:45am | O | <b>Reconstructing the geographic origin of the New World jays</b><br><i>Moderators: Sumudu W Fernando</i><br><i>Speakers: Shou-Hsien Li, Andrew Townsend Peterson</i>  | Presidio III-IV             |
| 10:30am – 10:45am | O | <b>Social and Ecological Influences on Repertoire Size Across Birds</b><br><i>Moderators: Gavin M. Leighton</i>  | Agave II-III                |
| 10:30am – 11:00am | M | <b>Cats in Australia: numbers, management and impact on birds</b><br><i>Moderators: Sarah M Legge</i><br><i>Speakers: John C.Z. Woinarski</i>  | Presidio V                  |
| 10:45am – 11:00am | O | <b>Annual habitat selection of the endangered, island-endemic Hawaiian Duck on Kauai</b><br><i>Moderators: Christopher P. Malachowski</i><br><i>Speakers: Bruce D. Dugger, Michelle H. Reynolds, Kimberly J. Uyehara</i>                     | Coronado II                 |
| 10:45am – 11:00am | O | <b>Breeding season prey selection trends by the Little Blue Heron (Egretta caerulea) in coastal south Florida</b><br><i>Moderators: Emilie Ruth Toneff Kohler</i><br><i>Speakers: Dale E. Gawlik, Marisa Martinez, Stephanie S. Romanach</i> | Presidio II                 |
| 10:45am – 11:00am | O | <b>Characterizing the Northwestern Crow-American Crow hybrid zone using genetic data from 150 years of museum specimens</b><br><i>Moderators: David L. Slager</i><br><i>Speakers: Kevin L. Epperly, John Klicka</i>                          | Presidio I                  |

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| 10:45am – 11:00am | ○ <b>Indirect effects of a competitor on life history and reproductive traits in a cavity nesting bird</b><br><i>Moderators: Sarah E Britton</i><br><i>Speakers: Barbara Ballentine</i>  | Coronado I      |
| 10:45am – 11:00am | ○ <b>Sorting of some basic concepts associated with diversification in birds</b><br><i>Moderators: John M. Bates</i>   | Presidio III-IV |
| 10:45am – 11:00am | ○ <b>Stable social relationships between unrelated females increase individual fitness in a cooperative bird</b><br><i>Moderators: Christina P Riehl</i><br><i>Speakers: Meghan J. Strong</i>  | Agave II-III    |
| 11:00am – 11:15am | ○ <b>Breeding bird use of restored shallow lakes in Iowa</b><br><i>Moderators: Rachel A Vanausdall</i><br><i>Speakers: Stephen J. Dinsmore</i>   | Coronado II     |
| 11:00am – 11:15am | ○ <b>Condition-dependent foraging strategies of brown pelicans (<i>Pelecanus occidentalis</i>) in the northern Gulf of Mexico</b><br><i>Moderators: Brock Geary</i><br><i>Speakers: Jordan Karubian, Paul L Leberg, Scott T Walter</i>   | Presidio II     |
| 11:00am – 11:15am | ○ <b>Definition of arid-Zone Carduelini Finches by DNA Phylogeography: American and Asian <i>G. Carpodacus</i> is Taxonomically Split</b><br><i>Moderators: Antonio Arnaiz-Villena</i><br><i>Speakers: Cristina Campos, Ester Muniz, Jose Palacio-Gruber, Valentin Ruiz-del. Valle</i> | Presidio III-IV |
| 11:00am – 11:15am | ○ <b>DNA metabarcoding reveals dietary shifts in response to acidification in a stream-dependent Neotropical migrant</b><br><i>Moderators: Brian K Trevelline</i><br><i>Speakers: Nathan L Brouwer, Brandon D Hoenig, Steven C Latta, Tim Nuttle, Brady A Porter</i>                   | Presidio I      |
| 11:00am – 11:15am | ○ <b>Do birds of a feather covey together? Social networks and pair bonding within a sympatric <i>Callipepla</i> quail population</b><br><i>Moderators: David M Zonana</i><br><i>Speakers: Eli S Bridge, Dan F Doak, Jennifer M Gee</i>  | Agave II-III    |
| 11:00am – 11:15am | ○ <b>Plover paparazzi: using nest video cameras to estimate survival and population size of breeding Piping Plovers</b><br><i>Moderators: Kelsi L. Hunt</i><br><i>Speakers: James, Daniel H. Catlin, D. Fraser, Meryl J. Friedrich, Daniel Gibson, Coral J. Huber</i>                  | Coronado I      |
| 11:00am – 11:15am | M <b>A review of the impacts of free-ranging domestic cats on North American wildlife</b><br><i>Moderators: Scott R Loss</i><br><i>Speakers: Peter P Marra</i>   | Presidio V      |
| 11:15am – 11:30am | ○ <b>Can citizen scientists provide reliable avian count data in low diversity neotropical areas?</b><br><i>Moderators: Nicholas P Bergen</i><br><i>Speakers: Nicola Koper</i>   | Coronado II     |
| 11:15am – 11:30am | ○ <b>Dietary niche dynamics of two alcids in northeastern Newfoundland under varying prey availability</b><br><i>Moderators: Julia E Gulka</i><br><i>Speakers: Gail K Davoren</i>  | Presidio II     |
| 11:15am – 11:30am | ○ <b>Exploratory behavior in wild chickadees: contrasting two field methods</b><br><i>Moderators: Sarah Eden Polekoff</i><br><i>Speakers: Breanna L Bennett, Robert L Curry</i>  | Agave II-III    |
| 11:15am – 11:30am | ○ <b>How does EPA assess risks of chemicals to birds?</b><br><i>Moderators: Matthew A. Etterson</i><br><i>Speakers: Kristina Garber, A. Jarvis</i>   | Coronado I      |
| 11:15am – 11:30am | ○ <b>Investigating the molting and migration strategy of the Painted Bunting through genomics and stable isotopes</b><br><i>Moderators: Andrea Contina</i><br><i>Speakers: Eli Bridge, Jeff Kelly, Kristen Ruegg</i>   | Presidio I      |
| 11:15am – 11:30am | ○ <b>Three Extirpated Ice-Age Birds in the Bahamas</b><br><i>Moderators: David W. Steadman</i><br><i>Speakers: Janet Franklin, Jessica A Oswald, Oona M. Takano</i>  | Presidio III-IV |

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| 11:15am – 11:30am | M | <b>The role of domestic cats in the admission of injured birds to rehabilitation and rescue centers</b><br><i>Moderators: Kerrie Anne T. Loyd</i><br><i>Speakers: Sonia M. Hernandez, David L. McRuer</i>  | Presidio V            |
| 11:30am – 11:45am | O | <b>Assessing the impacts of Burmese pythons on wading bird nesting colonies in the Everglades of Florida</b><br><i>Moderators: Sophia C. M. Orzechowski</i><br><i>Speakers: Peter C. Frederick, Margaret E. Hunter, Christina M. Romagosa</i>  | Coronado I            |
| 11:30am – 11:45am | O | <b>Environmental temperature and human disturbance affect Least Tern (<i>Sternula antillarum</i>) incubation behavior and egg temperatures</b><br><i>Moderators: Robert O Snowden</i><br><i>Speakers: Ray M Danner</i>   | Agave II-III          |
| 11:30am – 11:45am | O | <b>Testing the ancient Amazonian origins of a group of open-habitat suboscine birds (<i>Pachyramphus</i>)</b><br><i>Moderators: Lukas J Musher</i><br><i>Speakers: Anya Auerbach, Joel Cracraft, Jessica Shearer McKay</i>   | Presidio III-IV       |
| 11:30am – 11:45am | O | <b>Theory of trophic specialization in Neotropical insectivorous birds, and implications for resource partitioning and the niche</b><br><i>Moderators: Thomas W. Sherry</i><br><i>Speakers: Cody Kent, Natalie Sanchez, Cagan H. Sekercioglu</i>   | Coronado II           |
| 11:30am – 11:45am | O | <b>Winter diet composition of Montezuma quail in southern Arizona</b><br><i>Moderators: Oscar Enrique Lopez Bujanda</i><br><i>Speakers: Alberto Macias Duarte, Reyna A. Castillo Gamez, Angel B. Montoya</i>   | Presidio II           |
| 11:30am – 11:45am | O | <b>Within-group relatedness and patterns of cooperation and reproductive sharing in the cooperatively breeding chestnut-crested yuhina</b><br><i>Moderators: Sara Ann Kaiser</i><br><i>Speakers: Connor Armstad, Julie E Danner, Robert C Fleischer, Thomas E Martin, Juan C Oteyza</i>                | Presidio I            |
| 11:30am – 11:45am | M | <b>Feral Cats and One Health</b><br><i>Moderators: Anne Justice-Allen</i><br><i>Speakers: David Jessup</i>   | Presidio V            |
| 11:45am – 12:00pm | O | <b>Apparent buffering of population decline after habitat loss in an endangered cooperatively breeding songbird</b><br><i>Moderators: Jennifer L Mortensen</i><br><i>Speakers: Robert L Curry, J. Michael Reed, Helen J Temple</i>   | Agave II-III          |
| 11:45am – 12:00pm | O | <b>Bahama orioles in the pine forest: documentation of new breeding habitat and higher population densities improve prospects for a critically endangered species</b><br><i>Moderators: Kevin Omland</i><br><i>Speakers: Scott Johnson, Cant Shelley, T. Scott Sillett, Rick Stanley, Colin Studds</i> | Coronado II           |
| 11:45am – 12:00pm | O | <b>Biogeography and trait evolution of the pantropical avian order Coraciiformes</b><br><i>Moderators: Jenna M McCullough</i><br><i>Speakers: Michael J Andersen, Robert G Moyle, Brian T Smith</i>  | Presidio III-IV       |
| 11:45am – 12:00pm | O | <b>Elucidating Black-capped Vireo movement ecology in central Texas using genetics and modeling</b><br><i>Moderators: Samantha S Hauser</i><br><i>Speakers: Paul Leberg, Lauren Walker</i>   | Presidio I            |
| 11:45am – 12:00pm | O | <b>Regional Occupancy and Post-fire Recovery of California Gnatcatchers in Southern California</b><br><i>Moderators: Barbara E. Kus</i><br><i>Speakers: Alexandra Houston, Kristine L. Preston</i>   | Coronado I            |
| 11:45am – 12:00pm | M | <b>Look What the Cat Dragged In: Human Diseases</b><br><i>Moderators: David Cameron Duffy</i>  | Presidio V            |
| 11:45am – 3:00pm  | O | <b>Picky eaters: An undergraduate laboratory exercise</b><br><i>Moderators: Melissa S. Bowlin</i>  | Presidio II           |
| 12:00pm – 1:30pm  | N | <b>Diversity/Inclusion Committee</b>   | Joshua Tree           |
| 12:00pm – 1:30pm  | V | <b>Student/Mentor Lunch</b>  | El Conquistador Hotel |
| 12:00pm – 9:00pm  | S | <b>Silent Auction</b>  | Turquoise Ballroom    |

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| 1:00pm – 1:45pm | O <b>Phylogeny, taxonomy and geographic diversity of diurnal raptors</b><br><i>Moderators: David P Mindell</i><br><i>Speakers: Jérôme Fuchs, Jeff A. Johnson</i>  | Presidio III-IV |
| 1:30pm – 1:45pm | O <b>Biological control of tamarisk reduces bird abundance, density and richness: Implications for southwestern riparian habitat and management</b><br><i>Speakers: Jennifer A Holmes, Matthew J Johnson, Sean M Mahoney</i>                                    | Coronado II     |
| 1:30pm – 1:45pm | O <b>Conservation of Henslow's Sparrow in the Chicago Metropolitan Area: An Area With Surprisingly Good Long-term Potential</b><br><i>Moderators: James R Herkert</i>   | Coronado I      |
| 1:30pm – 1:45pm | O <b>Genomic Consequences of Secondary Contact in the Kolombangara White-eyes</b><br><i>Moderators: Sarah A. Cowles</i><br><i>Speakers: J. Albert C. Uy</i>   | Presidio I      |
| 1:30pm – 1:45pm | O <b>Vocal performance correlations to beak morphology are disrupted by local dialect adherence</b><br><i>Moderators: Jeremy D Ross</i><br><i>Speakers: Juan L Bouzat, Meelyn M Pandit</i>  | Agave II-III    |
| 1:30pm – 1:45pm | M <b>The life cycle of Toxoplasma gondii and its impact on wildlife</b><br><i>Moderators: Michelle M Barbieri</i>   | Presidio V      |
| 1:30pm – 2:00pm | M <b>Underlying Mechanisms of Avian Hybridization: Process to Pattern</b><br><i>Moderators: Rebecca Jo Safran</i><br><i>Speakers: Scott A. Taylor</i>   | Presidio II     |
| 1:45pm – 2:00pm | O <b>Barriers to gene flow and speciation in the yellow-rumped warbler</b><br><i>Moderators: Daniel Kenneth Pierce</i><br><i>Speakers: Alan Brelsford, Darren E. Irwin, David P. L. Toews</i>   | Presidio I      |
| 1:45pm – 2:00pm | O <b>Landscape context, vegetation structure, or plant identity? Investigating potential drivers in site selection by shrubland birds</b><br><i>Moderators: Kaitlyn E Ripple</i><br><i>Speakers: T. J. Benson, Loren Merrill, Kirk Stodola, David N Zaya</i>    | Coronado I      |
| 1:45pm – 2:00pm | O <b>New material of Pellornis clarifies pattern and timing of the extant gruiform radiation</b><br><i>Moderators: Grace M Musser</i><br><i>Speakers: Daniel J Field, Daniel Ksepka</i>   | Presidio III-IV |
| 1:45pm – 2:00pm | O <b>Selection pressures tied to elaborate female and male song across Fairy-wrens</b><br><i>Moderators: Karan J. Odom</i><br><i>Speakers: Kristal E. Cain, Erik D. Enbody, Michelle L. Hall, Jordan Karubian, Michael S. Webster</i>                           | Agave II-III    |
| 1:45pm – 2:00pm | M <b>Estimating free-ranging cat abundance: an overview of techniques, study designs, and models</b><br><i>Moderators: Michael V Cove</i>   | Presidio V      |
| 2:00pm – 2:15pm | O <b>Domestic pigeon's checkered past: a link between wing color patterning, introgression, and hereditary blindness</b><br><i>Moderators: Anna I Vickrey</i><br><i>Speakers: Rebecca Bruders, Zev Kronenberg, E. J. Osborne, Michael Shapiro, Mark Yandell</i> | Presidio I      |
| 2:00pm – 2:15pm | O <b>Examining the microclimate hypothesis in Neotropical birds: indirect tests of the 'visual constraints' mechanism</b><br><i>Moderators: Cameron L Rutt</i><br><i>Speakers: Vitek Jirinec, Stephen R Midway, Philip C Stouffer</i>                           | Coronado I      |
| 2:00pm – 2:15pm | O <b>High frequency vocalizations of the Black Jacobin, a hummingbird of the Topaz clade</b><br><i>Moderators: Christopher R. Olson</i><br><i>Speakers: Marcela Fernandez-Peters, Claudio V. Mello, Christine V. Portfors</i>                                   | Agave II-III    |
| 2:00pm – 2:15pm | O <b>Uneven missing data skews phylogenomic relationships within the lorries and lorikeets</b><br><i>Moderators: Brian T Smith</i><br><i>Speakers: Michael J Andersen, Brett W Benz, William M Mauck</i>  | Presidio III-IV |

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| 2:00pm – 2:15pm | O | <b>What's good for the woodcock is good for the warbler? Productivity of two young-forest flagship species on a shared landscape</b> | Coronado II     |
|                 |   | <i>Moderators: Henry M Streby</i>  |                 |
|                 |   | <i>Speakers: David E Andersen, Kyle O Daly, Gunnar R Kramer, Sean M Peterson</i>   |                 |
| 2:00pm – 2:15pm | M | <b>Female competition facilitates hybridization in sex-role reversed jacanas</b>   | Presidio II     |
|                 |   | <i>Moderators: Sara E Lipshutz</i>   |                 |
|                 |   | <i>Speakers: Elizabeth P Derryberry</i>  |                 |
| 2:00pm – 2:15pm | M | <b>Managing the CATastrophe: exploring the options for reducing the numbers of free-roaming felines</b>                              | Presidio V      |
|                 |   | <i>Moderators: Linda Matarazzo Cherkassky</i>  |                 |
| 2:15pm – 2:30pm | O | <b>Call urgency level predicts the response of a Neotropical bird community: mobbing versus distress call response</b>               | Agave II-III    |
|                 |   | <i>Moderators: Luis None Sandoval</i>  |                 |
|                 |   | <i>Speakers: Josue Corrales</i>  |                 |
| 2:15pm – 2:30pm | O | <b>Characterizing adult and juvenile use of red-pine dominated plantations in Wisconsin's population of Kirtland's warblers</b>      | Coronado I      |
|                 |   | <i>Moderators: Ashley M Hannah</i>   |                 |
|                 |   | <i>Speakers: Kim Grveles, Davin Lopez, Anna Pidgeon, Christine Ribic, Sarah Warner</i>   |                 |
| 2:15pm – 2:30pm | O | <b>eBird records show substantial growth of the Allen's Hummingbird population in urban Southern California</b>                      | Coronado II     |
|                 |   | <i>Moderators: Chris J Clark</i>   |                 |
| 2:15pm – 2:30pm | O | <b>Phylogenetic relationships of weaverbirds: A first species-level molecular phylogeny of the family Ploceidae</b>                  | Presidio III-IV |
|                 |   | <i>Moderators: Thilina Nethmin De Silva</i>  |                 |
|                 |   | <i>Speakers: Andrew Townsend Peterson</i>  |                 |
| 2:15pm – 2:30pm | O | <b>Testing for ecological speciation across an elevational gradient in New Guinea forest kingfishers</b>                             | Presidio I      |
|                 |   | <i>Moderators: Ethan B Linck</i>   |                 |
|                 |   | <i>Speakers: John P Dumbacher, Benjamin G. Freeman, John Klicka</i>  |                 |
| 2:15pm – 2:30pm | M | <b>Hawaii as a case study in free-ranging cat problems and solutions in the United States</b>  | Presidio V      |
|                 |   | <i>Moderators: Christopher A Lepczyk</i>   |                 |
| 2:15pm – 2:30pm | M | <b>Learning and memory deficiencies in hybrid chickadees as a potential postzygotic reproductive isolating barrier</b>               | Presidio II     |
|                 |   | <i>Moderators: Amber M. Rice</i>   |                 |
|                 |   | <i>Speakers: Michael A. McQuillan</i>  |                 |
| 2:30pm – 2:45pm | O | <b>Declining old-forest species as a legacy of large trees lost</b>  | Coronado I      |
|                 |   | <i>Moderators: Gavin M Jones</i>   |                 |
|                 |   | <i>Speakers: Rocky J Gutiérrez, John J Keane, M Zach Peery</i>   |                 |
| 2:30pm – 2:45pm | O | <b>Novel analysis of isolate song reveals interspecific variation in learned components</b>  | Agave II-III    |
|                 |   | <i>Moderators: Jay W Love</i>  |                 |
| 2:30pm – 2:45pm | O | <b>Phylogeny of avian orders based on genome-wide coalescent analysis of insertion/deletion mutations (indels)</b>                   | Presidio I      |
|                 |   | <i>Moderators: Peter Houde</i>   |                 |
|                 |   | <i>Speakers: Siavash Mir Arabbaygi (Mirarab), Edward L Braun</i>   |                 |
| 2:30pm – 2:45pm | O | <b>Unexpected conspecific Leucocytozoon infection in woodpeckers and passerines</b>  | Presidio III-IV |
|                 |   | <i>Moderators: Tierra Claire Groff</i>   |                 |
|                 |   | <i>Speakers: Teresa Lorenz, Ravinder Sehgal</i>  |                 |
| 2:30pm – 2:45pm | O | <b>Using Structured Decision Making to Balance Stakeholder Objectives for Red-cockaded Woodpecker Management</b>                     | Coronado II     |
|                 |   | <i>Moderators: Emily J. Brown</i>  |                 |
|                 |   | <i>Speakers: Paige F.B. Ferguson</i>   |                 |
| 2:30pm – 2:45pm | M | <b>Genome-wide patterns of divergence in Passerina and Cyanocompsa buntings</b>  | Presidio II     |
|                 |   | <i>Moderators: Libby C. Megna</i>  |                 |
|                 |   | <i>Speakers: Matthew D. Carling</i>  |                 |



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| 2:30pm – 2:45pm | M | <b>Utilizing social science to advance the dialogue about free-ranging domestic cats</b><br><i>Moderators: Ashley R Gramza</i><br><i>Speakers: Kevin R Crooks, Kirsten Leong, Chris Lepczyk, Tara L Teel</i>  | Presidio V      |
| 2:45pm – 3:00pm | O | <b>Avian Response to Implementation of Cerulean Warbler Habitat Management Guidelines</b><br><i>Moderators: Petra B. Wood</i><br><i>Speakers: Todd Fearer, Mark Ford, Jeff Larkin, Gretchen Nareff</i>  | Coronado I      |
| 2:45pm – 3:00pm | O | <b>Do Grasshopper Sparrows have a Caribbean accent?</b><br><i>Moderators: Bernard Lohr</i>  | Agave II-III    |
| 2:45pm – 3:00pm | O | <b>Incorporating Woodpecker Habitat into Design of Post-Fire Salvage Logging</b><br><i>Moderators: Victoria Ann Saab</i><br><i>Speakers: Joanathan G Dudley, Quresh S Latif, Lori Stokes</i>  | Coronado II     |
| 2:45pm – 3:00pm | O | <b>Integrative taxonomy of the northern White-browed Shortwing <i>Brachypteryx montana</i> taxa supports recognition of three species</b><br><i>Moderators: Pamela C Rasmussen</i><br><i>Speakers: Per Alstrom, Xia Canwei, Guoling Cheen, Magnus Gelang, Liu Yang</i>  | Presidio III-IV |
| 2:45pm – 3:00pm | O | <b>Spatiotemporal structuring and genomic architecture of multiple transects across an avian hybrid zone</b><br><i>Moderators: Claire M Curry</i><br><i>Speakers: Michael A Patten, Jason Weir</i>  | Presidio I      |
| 2:45pm – 3:00pm | M | <b>Hybridization and introgression after the 19th century invasion of Glossy Ibis (<i>Plegadis falcinellus</i>) into the New World</b><br><i>Moderators: Robb T Brumfield</i><br><i>Speakers: Donna, L Dittmann, DePaul U. Foxworth, Michael G Harvey, Jessica A Oswald, Rosalind C Remsen</i>  | Presidio II     |
| 2:45pm – 3:00pm | M | <b>Legal considerations for addressing feral and free-ranging cats at the State level</b><br><i>Moderators: Lane S. Kisonak</i>   | Presidio V      |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>  | Presideo Foyer  |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>  | Turquoise Foyer |
| 3:30pm – 3:45pm | O | <b>Genomic data provide a flicker of hope for differentiating taxa in the Northern Flicker complex</b><br><i>Moderators: Stephanie M Aguillon</i><br><i>Speakers: Leonardo Campagna, Richard G Harrison, Irby J Lovette</i>   | Presidio I      |
| 3:30pm – 3:45pm | M | <b>Anthropogenic habitat disturbances and hybridization</b><br><i>Moderators: T M Burg</i><br><i>Speakers: K A Otter, S A Taylor</i>  | Presidio II     |
| 3:30pm – 3:45pm | M | <b>National and International Legal Approaches to Curbing Cat Predation</b><br><i>Moderators: David B. Hunter</i>   | Presidio V      |
| 3:30pm – 5:00pm | M | <b>Early Professional Symposium</b><br><i>Moderators: Christopher Tonra</i><br><i>Speakers: Andrew J. Boyce, Erik D. Enbody, Philina A. English, Benjamin G. Freeman, Dan Gibson, Elizabeth A. Gow, Michael G Harvey, Alex E. Jahn, Sara A. Kaiser, Katie LaBarbera, Sara E Lipshutz, Karan J. Odom, Richard A. Stanton, Brian C. Weeks</i> | Presidio III-IV |
| 3:45pm – 4:00pm | O | <b>Extraordinary genetic similarity between Rufous and Allen's hummingbirds inferred from whole genome sequences</b><br><i>Moderators: Alan Brelsford</i><br><i>Speakers: Kevin Burns, Chris Clark, German Lagunas-Robles, Brian Myers</i>  | Presidio I      |
| 3:45pm – 4:00pm | M | <b>Free-ranging Cats: Strategies and Challenges from the Front Lines of Conservation</b><br><i>Moderators: Grant C Sizemore</i>   | Presidio V      |
| 3:45pm – 4:00pm | M | <b>The role of migratory behavior in reproductive isolation at avian hybrid zones</b><br><i>Moderators: Sheela P. Turbek</i><br><i>Speakers: Rebecca J. Safran, Elizabeth S. C. Scordato</i>  | Presidio II     |

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| 4:00pm – 4:15pm  | O | <b>A comparison of genetic variability in the cytochrome c oxidase gene between sparrows and nuthatches</b><br><i>Moderators: Jill KM Penn</i><br><i>Speakers: Maribel Fernandez, Mia Malloy</i>   | Presidio I                  |
| 4:00pm – 4:15pm  | M | <b>High recombination rate might contribute to intricate speciation patterns in the White wagtail (<i>Motacilla alba</i>)</b><br><i>Moderators: Georgy A. Semenov</i><br><i>Speakers: David, Ekaterina Basheva, Pavel M. Borodin, R. Khaydarov, Elizabeth S.C. Scordato, Anna Torgasheva</i> | Presidio II                 |
| 4:00pm – 5:00pm  | M | <b>DISCUSSION</b>  | Presidio V                  |
| 4:00pm – 10:00pm | F | <b>Madera Owling Trip- Requires Pre-Registration</b><br><i>Volunteers: Richard Fray</i>  | Presidio Registration Foyer |
| 4:15pm – 4:30pm  | O | <b>Indirect genetic effects and the assortivity of cooperative phenotypes in the social networks of a lek-breeding bird</b><br><i>Moderators: Thomas Brandt Ryder</i><br><i>Speakers: Roslyn Dakin</i>   | Presidio I                  |
| 4:15pm – 4:30pm  | M | <b>Genomics of Admixture and Asymmetrical Introgression Between Two Ecologically Divergent Sparrow Species</b><br><i>Moderators: Jennifer L Walsh</i><br><i>Speakers: Adrienne I Kovach, Irby J Lovette, Brian J Olsen, Gregory Shriver</i>  | Presidio II                 |
| 4:30pm – 4:45pm  | O | <b>Phylogeny of all passerine families reveal a diversification history tied to Cenozoic global climate</b><br><i>Moderators: Carl H Oliveros</i><br><i>Speakers: F Keith Barker, Brant C Faircloth, Daniel J Field, Daniel T Ksepka, Robert G Moyle</i>                                     | Presidio I                  |
| 4:30pm – 4:45pm  | M | <b>Introgression across the Great Plains towhee hybrid zone characterized with historical DNA</b><br><i>Moderators: Shawn M. Billerman</i><br><i>Speakers: Bronwyn G. Butcher, Irby J Lovette</i>  | Presidio II                 |
| 4:45pm – 5:00pm  | O | <b>Identifying the genetic control and role of pleiotropy in melanin pigmentation with the Eastern Screech-owl</b><br><i>Moderators: Sarah M Kurtis</i><br><i>Speakers: Scott V Edwards, Rebecca T Kimball, Jonathan Schmitt</i>   | Presidio I                  |
| 4:45pm – 5:00pm  | M | <b>Selection counteracts gene flow in the maintenance of color differences between subspecies of a monarch flycatcher</b><br><i>Moderators: J. Albert C. Uy</i><br><i>Speakers: Elizabeth A Cooper</i>   | Presidio II                 |
| 5:30pm – 7:00pm  | V | <b>Early Professionals Reception</b>   | Presidio Foyer              |
| 7:00pm – 9:00pm  | I | <b>Poster Reception</b>  | Turquoise Ballroom          |

# AOS 2018 Annual Conference

- N** AOS Council & Business Meetings   
 **C** Coffee Break   
 **O** Concurrent Session   
 **E** Exhibitors   
 **F** Field Trip   
 **P** Plenary  
**I** Poster Session   
**R** Roundtable   
**S** Silent Auction   
**V** Special Events   
**Y** Special Symposium   
**M** Symposium  
**U** Undergraduate Symposium   
**W** Workshop

## APRIL 12 • THURSDAY

|                   |   |  |                             |
|-------------------|---|--|-----------------------------|
| 6:00am – 12:00pm  | F | <b>Lower San Pedro Riparian- Requires Pre-Registration</b><br><i>Volunteers: Tim Helentjaris</i>   | Presidio Registration Foyer |
| 6:00am – 12:00pm  | F | <b>Peppersauce Canyon- Requires Pre-Registration</b><br><i>Volunteers: Rick Bowers</i>   | Presidio Registration Foyer |
| 6:30am – 7:30am   | V | <b>All-Out Ostrich Scramble 5K</b><br><i>Sponsors: Rooster Cogburn Ostrich Ranch</i>   | Last Territory              |
| 8:00am – 10:00am  | P | <b>Plenary: The avian tree of life: crossing the borders among disciplines</b><br><i>Speakers: Rebecca Kimball</i>   | Presidio III-V              |
| 8:00am – 9:30pm   | E | <b>Exhibit Hall</b>  | Turquoise Ballroom          |
| 8:00am – 9:30pm   | S | <b>Silent Auction</b>  | Turquoise Ballroom          |
| 10:00am – 10:30am | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Turquoise Foyer             |
| 10:00am – 10:30am | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Presideo Foyer              |
| 10:30am – 10:45am | O | <b>Avian communities are decreasing with piñon pine mortality in the southwest</b><br><i>Moderators: Andrew W. Bartlow</i><br><i>Speakers: Jeanne M. Fair, Charles D. Hathcock</i>   | Presidio II                 |
| 10:30am – 10:45am | O | <b>Bioacoustic Monitoring reveals exact timing of courtship, incubation, hatching, and fledging of a Tricolored Blackbird colony</b><br><i>Moderators: Wendy Sue Schackwitz</i><br><i>Speakers: Alexander Mica Greene, Julie Marie Woodruff</i>  | Presidio I                  |
| 10:30am – 10:45am | O | <b>Loss of Cultural Diversity in Hawaiian Honeycreepers Over the Last 40 Years</b><br><i>Moderators: Kristina L Paxton</i><br><i>Speakers: Lisa H Crampton, Patrick J Hart, David Kuhn, Esther Sebastián-González</i>                            | Coronado II                 |
| 10:30am – 10:45am | O | <b>Neotropical Flyways Project: Mapping Migratory Stopover Sites in Central and South America</b><br><i>Moderators: Kenneth V Rosenberg</i><br><i>Speakers: Nicholas J Bayly, Adriana de Pilar Caicedo</i>                                       | Coronado I                  |
| 10:30am – 10:45am | O | <b>Swainson's Hawk Recruitment: Environmental Impacts and Trends Across Three Decades</b><br><i>Moderators: Christopher R Vennum</i><br><i>Speakers: Christopher W Briggs, Michael W Collopy, David Koons, Philip A Street, Brian Woodbridge</i> | Agave II-III                |
| 10:30am – 10:45am | M | <b>Avian diversification in biodiversity hotspots</b><br><i>Moderators: Jane L Younger</i><br><i>Speakers: Steven M Goodman, Dylan Maddox, Marie J Raherilalao, Sushma Reddy, Lynika Strozier</i>  | Presidio V                  |
| 10:30am – 10:45am | M | <b>Ecology and conservation of grassland birds of the Great Plains: challenges and opportunities</b><br><i>Moderators: T. Luke George</i><br><i>Speakers: Adam Beh, Arvind O. Panjabi</i>  | Presidio III-IV             |
| 10:45am – 11:00am | O | <b>Evening point counts produce similar occupancy estimates as morning point counts for many species</b><br><i>Moderators: Neil A Gilbert</i><br><i>Speakers: Paige F.B. Ferguson</i>  | Presidio I                  |

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|-------------------|---|--|-----------------|
| 10:45am – 11:00am | O | <b>Latitude predicts repertoire size in migratory, but not sedentary, rock wrens (<i>Salpinctes obsoletus</i>)</b><br><i>Moderators: Nadjé Amal Najar</i><br><i>Speakers: Lauryn Benedict</i>  | Coronado II     |
| 10:45am – 11:00am | O | <b>Research Recommendations for Understanding the Decline of American Kestrels (<i>Falco sparverius</i>) Across Much of North America</b><br><i>Moderators: Sarah E Schulwitz</i><br><i>Speakers: Richard Van Buskirk, Julie A Heath, Christopher JW McClure, Benjamin P Pauli</i> | Agave II-III    |
| 10:45am – 11:00am | O | <b>The effects of bison reintroduction on grassland nesting birds in tallgrass prairie</b><br><i>Moderators: Heather A Herakovich</i><br><i>Speakers: Holly P Jones</i>  | Presidio II     |
| 10:45am – 11:00am | O | <b>Weather over the Gulf of Mexico influences broad-scale stopover patterns of migrating birds in the spring</b><br><i>Moderators: Hannah L Clipp</i><br><i>Speakers: Jeffrey J Buler, Emily B Cohen, Jaclyn A Smolinsky</i>   | Coronado I      |
| 10:45am – 11:00am | M | <b>Global reduction in greenhouse gas emissions diminishes climate change vulnerability of grassland birds in North America</b><br><i>Moderators: Chad Wilsey</i><br><i>Speakers: Brooke Bateman, Gary Langham, Arvind Panjabi, Lotem Taylor</i>                                   | Presidio III-IV |
| 10:45am – 11:00am | M | <b>How do geographic barriers structure population genomic variation in Philippine birds?</b><br><i>Moderators: Peter A Hosner</i><br><i>Speakers: Robert G Moyle</i>  | Presidio V      |
| 11:00am – 11:15am | O | <b>Burnin' for you: an evaluation of turkey habitat use in response to prescribed fire</b><br><i>Moderators: Christine M Parker</i><br><i>Speakers: T. J. Benson, Luke Garver, Jeff Hoover, Wendy Schelsky</i>   | Presidio II     |
| 11:00am – 11:15am | O | <b>Effects of Habitat Loss and Nesting Density on Survival and Breeding Propensity of an Endangered Shorebird</b><br><i>Moderators: Daniel H. Catlin</i><br><i>Speakers: James, D. Fraser, Meryl J. Friedrich, Daniel Gibson, Kelsi L. Hunt, Chelsea E. Weithman</i>               | Agave II-III    |
| 11:00am – 11:15am | O | <b>How migrating songbirds survive crossing the Gulf of Mexico in autumn</b><br><i>Moderators: Michael P Ward</i><br><i>Speakers: Thomas J Benson, Antonio Celis-Murillo, Jill Deppe, Robb Diehl, Theodore J Zenzal</i>  | Coronado I      |
| 11:00am – 11:15am | O | <b>Identifying error in forest bird landscape capability models</b><br><i>Moderators: Zachary G Loman</i><br><i>Speakers: William V Deluca, Daniel Harrison, Cynthia S Loftin, Brian W Rolek, Petra B. Wood</i>  | Presidio I      |
| 11:00am – 11:15am | O | <b>Rhythms of the Doves</b><br><i>Moderators: Nathaniel T Wheelwright</i><br><i>Speakers: John Butterworth, Robert K Greenlee</i>  | Coronado II     |
| 11:00am – 11:15am | M | <b>Physiology and behavior of grassland songbirds exposed to oil wells and anthropogenic noise</b><br><i>Moderators: Nicola None Koper</i><br><i>Speakers: Paulson Des Brisay, Claire Curry, Alexandra Heathcote, Christoph Ng, M Warrington</i>                                   | Presidio III-IV |
| 11:00am – 11:15am | M | <b>Selection on pigmentation genes leads to rapid phenotypic evolution in a finch radiation</b><br><i>Moderators: Leonardo Campagna</i><br><i>Speakers: Irby Lovette</i>   | Presidio V      |
| 11:15am – 11:30am | O | <b>A bird's eye view of forecasting phenological change across North America</b><br><i>Moderators: Erin E Posthumus</i><br><i>Speakers: Theresa M Crimmins, Alyssa H Rosemartin</i>  | Presidio I      |
| 11:15am – 11:30am | O | <b>Contrasting responses of neighboring piping plover populations toward habitat creation, conservation, and potential disturbance</b><br><i>Moderators: Eunbi None Kwon</i><br><i>Speakers: Daniel H. Catlin, James D Fraser, Sarah M Karpanty, Chelsea E. Weithman</i>           | Agave II-III    |
| 11:15am – 11:30am | O | <b>Fifty years and still eating the same: a tale of refueling performance from two long-term banding stations</b><br><i>Moderators: Andrea L Crary</i><br><i>Speakers: Lucas W DeGroote, Mark C Shieldcastle, Henry M Streby</i>   | Coronado I      |

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| 11:15am – 11:30am | O | <b>Low amplitude vocal signaling by rock wrens</b><br><i>Moderators: Lauryn Benedict</i><br><i>Speakers: Nadjé Najar, Stephanie Pitt</i>  | Coronado II     |
| 11:15am – 11:30am | O | <b>Measuring Winged Warbler (Vermivora sp) Occupancy as a Function of Landscape Structure at Multiple Spatial Scales in the Champlain Valley of Vermont</b><br><i>Moderators: Steven Andrew Lamonde</i><br><i>Speakers: Lisabeth Willey</i>                             | Presidio II     |
| 11:15am – 11:30am | M | <b>Ecological and biogeographical drivers of diversification in New World suboscine birds (Aves; Tyranni)</b><br><i>Moderators: Michael G Harvey</i><br><i>Speakers: Gustavo Bravo, Robb T Brumfield, Santiago Claramunt, Elizabeth P Derryberry, Graham Derryberry</i> | Presidio V      |
| 11:15am – 11:30am | M | <b>Movement ecology of grassland sparrows and why it matters for conservation</b><br><i>Moderators: Alice Boyle</i>   | Presidio III-IV |
| 11:30am – 11:45am | O | <b>Avian diversity in a fragmented Neotropical landscape: 2003 - 2017</b><br><i>Moderators: Jordan Karubian</i><br><i>Speakers: Luke Browne, Luis Carrasco, Fernando Castillo, Scott Walter</i>   | Presidio II     |
| 11:30am – 11:45am | O | <b>Cultural selection as a mechanism of acoustic adaptation to city noise for songbirds</b><br><i>Moderators: Dana L Moseley</i><br><i>Speakers: David, Julie E Danner, Ray M Danner, Graham E Derryberry, A Luther, Jennifer Phillips</i>                              | Coronado II     |
| 11:30am – 11:45am | O | <b>Home range and habitat use of Baird's and Grasshopper sparrows in the Marfa grasslands, Texas</b><br><i>Moderators: Denis Josefina Perez-Ordóñez</i><br><i>Speakers: Fabiola Baeza-Tarin, Louis Harveson, Russell Martin, Erin H Strasser, Mieke Titulaer</i>        | Agave II-III    |
| 11:30am – 11:45am | O | <b>Measuring Total Plasma Protein in Wild Birds</b><br><i>Moderators: Jeanne Marie Fair</i><br><i>Speakers: Margret Hatch, Mark Jankowski, Aaron Skinner</i>  | Presidio I      |
| 11:30am – 11:45am | O | <b>Spatial and temporal patterns in spring stopover habitat use around the Gulf of Mexico</b><br><i>Moderators: Emily B Cohen</i><br><i>Speakers: Jeffrey J Buler, Hannah L Clipp, Peter P Marra</i>  | Coronado I      |
| 11:30am – 11:45am | M | <b>Genomic approaches to understanding speciation in Jamaican-endemic streamertail hummingbirds</b><br><i>Moderators: Caroline Duffie Judy</i><br><i>Speakers: Robb T Brumfield, Gary R. Graves</i>   | Presidio V      |
| 11:30am – 11:45am | M | <b>Tracking Mountain Plover migration: conservation implications of non-breeding habitat use</b><br><i>Moderators: Allison K Pierce</i><br><i>Speakers: Stephen J. Dinsmore, Courtney J. Duchardt, Angela M. Dwyer, Dennis Jorgensen, Peter P Marra</i>                 | Presidio III-IV |
| 11:45am – 12:00pm | O | <b>Evaluating the relationships between eastern hemlock decline and Louisiana waterthrush demographics and behavior in Tennessee</b><br><i>Moderators: Lee C Bryant</i><br><i>Speakers: Tiffany A Beachy, Than J. Boves</i>   | Presidio II     |
| 11:45am – 12:00pm | O | <b>Exploring patterns of vocal performance across song types in field sparrows</b><br><i>Moderators: Sharon A Gill</i><br><i>Speakers: Maarten J Vonhof</i>   | Coronado II     |
| 11:45am – 12:00pm | O | <b>Shared morphological consequences of global warming across the North America migratory avifauna</b><br><i>Moderators: Ben M Winger</i><br><i>Speakers: Brian C. Weeks, David E Willard</i>   | Coronado I      |
| 11:45am – 12:00pm | O | <b>Urban intensity influences white-winged dove abundance and survival across the Texas</b><br><i>Moderators: Heather A Mathewson</i><br><i>Speakers: Mike Frisbie, Jared Hall, Conor McInerney, Shaun Oldenburger, T. Wayne Schwertner</i>                             | Agave II-III    |
| 11:45am – 12:00pm | M | <b>Rapid evolution of plumage traits in African white-eyes: a genomic perspective</b><br><i>Moderators: Rauri C. K. Bowie</i><br><i>Speakers: Ke Bi, Graeme Oatley, Gary Voelker, Guinevere O Wogan</i>   | Presidio V      |
| 11:45am – 12:00pm | M | <b>Spatial Distribution and Site Fidelity of Long-billed Curlews Wintering in California and Mexico</b><br><i>Moderators: Stephanie E Coates</i><br><i>Speakers: Jay D Carlisle</i>   | Presidio III-IV |

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| 12:00pm – 1:30pm | V | <b>Meet the Journal Editors</b>  | Joshua Tree                 |
| 12:00pm – 2:00pm | W | <b>Wildlife Acoustics Unattended Recording Lunch &amp; Learn</b><br><i>Sponsors: Wildlife Acoustics</i>  | Agave I                     |
| 12:15pm – 1:15pm | N | <b>AOS Committee Chairs Luncheon</b>   | Coronado II                 |
| 1:00pm – 5:00pm  | V | <b>Behind the Scenes Tour of Reid Park Zoo</b><br><i>Sponsors: Reid Park Zoo</i>   | Presidio Foyer              |
| 1:15pm – 5:00pm  | F | <b>Reid Park Zoo tour- Requires Pre-Registration</b><br><i>Sponsors: Reid Park Zoo</i><br><i>Volunteers: Gail Brown Director of Development</i>  | Presidio Registration Foyer |
| 1:30pm – 1:45pm  | O | <b>Ecomorphology of the introduced avian frugivores on the Hawaiian Island of Oahu and how it relates to rapid morphological change</b><br><i>Moderators: Jason M. Gleditsch</i><br><i>Speakers: Jeff T. Foster, J. Patrick Kelley, Jinelle H. Sperry, Corey E. Tarwater</i>           | Presidio I                  |
| 1:30pm – 1:45pm  | O | <b>Impact of Nesting Microhabitat and Foraging Habitat on the Nesting Site Selection of the Northern Black Swift (<i>Cypseloides niger borealis</i>)</b><br><i>Moderators: Alexander J Single</i><br><i>Speakers: Carolyn Gunn, Tricia Van Laar, Kim Potter</i>                        | Coronado II                 |
| 1:30pm – 1:45pm  | O | <b>Using eBird data to help inform stable isotope models of migratory connectivity in the Prothonotary Warbler</b><br><i>Moderators: Jessie A Reese</i><br><i>Speakers: Lesley Bulluck, Peter Marra, Christopher Tonra, Catherine Viverette</i>  | Coronado I                  |
| 1:30pm – 1:45pm  | M | <b>A Baird's life: a full-annual-cycle perspective of Baird's and Grasshopper Sparrows of the Northern Great Plains</b><br><i>Moderators: Maureen D Correll</i><br><i>Speakers: Jacy Bernath-Plaisted, Jose Hugo Martinez, Irene Revulcaba-Ortega, Erin H Strasser, Mieke Titulare</i> | Presidio III-IV             |
| 1:30pm – 1:45pm  | M | <b>Expanding the traditional definition of molt-migration: towards a more comprehensive synthesis of overlap in two life history stages</b><br><i>Moderators: Christopher M Tonra</i><br><i>Speakers: Matthew Reudink</i>  | Presidio V                  |
| 1:30pm – 1:45pm  | M | <b>Overview of solar-avian interactions in the Mojave Desert</b><br><i>Moderators: Thomas V Dietsch</i>  | Presidio II                 |
| 1:30pm – 1:45pm  | U | <b>Call Development in Grasshopper Sparrows</b><br><i>Moderators: Manpreet Kaur</i><br><i>Speakers: Bernard Lohr</i>   | Agave II-III                |
| 1:45pm – 2:00pm  | O | <b>A landscape approach to understanding breeding habitat of a rapidly declining migratory songbird</b><br><i>Moderators: Elizabeth K Schold</i><br><i>Speakers: Lesley P Bulluck</i>  | Coronado II                 |
| 1:45pm – 2:00pm  | O | <b>Thy neighbors matter: An experimental test of the prey site partitioning hypothesis</b><br><i>Moderators: Anna D. Chalfoun</i><br><i>Speakers: Lindsey Sanders, Tayler Scherr</i>   | Presidio I                  |
| 1:45pm – 2:00pm  | O | <b>Winter distribution of Atlantic and Great Lakes Piping Plovers</b><br><i>Moderators: Cheri L. Gratto-Trevor</i><br><i>Speakers: Dan Catlin, Jim Fraser, Kelsi Hunt, Jen Rock, Francois Shaffer</i>  | Coronado I                  |
| 1:45pm – 2:00pm  | M | <b>Avian Conservation and Collaboration: Coordinating Research Priorities to Better Understand Avian-Solar Interactions</b><br><i>Moderators: Leroy J. Walston</i>   | Presidio II                 |
| 1:45pm – 2:00pm  | M | <b>Diversity of Strategies of Remigial Molt among Sea Ducks</b><br><i>Moderators: Dan Esler</i>  | Presidio V                  |
| 1:45pm – 2:00pm  | M | <b>Response of nomadic grassland birds to temporal variation in habitat conditions</b><br><i>Moderators: Adam W Green</i><br><i>Speakers: T. Luke George, David C Pavlacky</i>   | Presidio III-IV             |

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| 1:45pm – 2:00pm | U | <b>Variation in male solo song dialects of White-eared Ground-Sparrows (<i>Melospiza leucotis</i>; Passerellidae) through time</b>                                | Agave II-III    |
|                 |   | <i>Moderators: Katherine Bonilla</i><br><i>Speakers: Luis Sandoval</i>  |                 |
| 2:00pm – 2:15pm | O | <b>Stress-induced maternal effect links local competitive environment with large-scale changes in population demography</b>                                       | Presidio I      |
|                 |   | <i>Moderators: Ahva Lynn Potticary</i><br><i>Speakers: Renee A Duckworth</i>  |                 |
| 2:00pm – 2:15pm | O | <b>Tracking the movements of juvenile Wood Thrush (<i>Hylocichla mustelina</i>) at local and national scales to uncover the 'black box' in juvenile dispersal</b> | Coronado I      |
|                 |   | <i>Moderators: Sue M. Hayes</i><br><i>Speakers: B. Boyd, Bridget Stutchbury</i>   |                 |
| 2:00pm – 2:15pm | O | <b>Using the Gradient Concept to Visualize Breeding Bird Richness and Woody Structure Relationships on South Texas Rangelands</b>                                 | Coronado II     |
|                 |   | <i>Moderators: Janel L Ortiz</i><br><i>Speakers: Leonard A Brennan, April A.T. Conkey, Jason V Lombardi, Humberto L Perotto-Baldivieso, David B Wester</i>        |                 |
| 2:00pm – 2:15pm | M | <b>Effectiveness Monitoring to Evaluate Contributions of Lesser Prairie-Chicken Conservation to Biodiversity in the Great Plains</b>                              | Presidio III-IV |
|                 |   | <i>Moderators: David C. Pavlacky Jr.</i><br><i>Speakers: Anne M. Bartuszevige, Adam W Green, Christian A. Hagen, Rich Iovanna</i>                                 |                 |
| 2:00pm – 2:15pm | M | <b>Measuring the diversity of molting spatial strategies among western landbirds using long-term banding data</b>   | Presidio V      |
|                 |   | <i>Moderators: Luiza None Figueira</i><br><i>Speakers: John D Alexander, Pedro V R Martins, C. John Ralph, Jaime L Stephens, Jared D Wolfe</i>                    |                 |
| 2:00pm – 2:15pm | M | <b>Migration through an unforgiving landscape: Implications for addressing solar-avian interaction issues</b>   | Presidio II     |
|                 |   | <i>Moderators: Robert H Diehl</i>   |                 |
| 2:00pm – 2:15pm | U | <b>Male Song Behavior in a Black-Capped and Carolina Chickadee Hybrid Zone</b>  | Agave II-III    |
|                 |   | <i>Moderators: Katherine Anne Monroe</i><br><i>Speakers: Robert L Curry</i>   |                 |
| 2:15pm – 2:30pm | O | <b>Avian Feeding Guild Responses to Forest Fragmentation in Costa Rica</b>  | Coronado II     |
|                 |   | <i>Moderators: Cody M. Cox</i><br><i>Speakers: Nate P. Nibbelink</i>  |                 |
| 2:15pm – 2:30pm | O | <b>Flight behavior of Sandhill Cranes (<i>Grus canadensis</i>) in the vicinity of wind turbines</b>   | Coronado I      |
|                 |   | <i>Moderators: Eileen M Kirsch</i><br><i>Speakers: Robert Diehl, Richard Sojda, Manuel Suarez, Michael Wellik, Wendy Woyczik</i>                                  |                 |
| 2:15pm – 2:30pm | O | <b>Intraspecific niche divergence within a geologically novel ecosystem</b>   | Presidio I      |
|                 |   | <i>Moderators: Meaghan Conway</i><br><i>Speakers: Adrienne I Kovach, Brian J Olsen</i>  |                 |
| 2:15pm – 2:30pm | M | <b>Habitats and Conservation of Molt-migrant Birds in Southeastern Arizona and Northwestern Mexico</b>  | Presidio V      |
|                 |   | <i>Moderators: Steven K. Albert</i><br><i>Speakers: Mary Chambers, Wade Leitner, Peter Pyle, Rodney B. Siegel</i>   |                 |
| 2:15pm – 2:30pm | M | <b>Identifying priority areas for grassland songbirds in Canadian Prairie Potholes Region</b>   | Presidio III-IV |
|                 |   | <i>Moderators: Barry G Robinson</i><br><i>Speakers: Connor Charchuk</i>   |                 |
| 2:15pm – 2:30pm | M | <b>Using Genoscapes to Understand the Impacts of Solar on Migratory Birds</b>   | Presidio II     |
|                 |   | <i>Moderators: Kristen Ruegg</i><br><i>Speakers: Rachael Bay, Tom Smith</i>   |                 |
| 2:15pm – 2:30pm | U | <b>Extrapair parentage in a rapidly moving chickadee hybrid zone: confounding factor for analysis of fitness consequences of interbreeding?</b>                   | Agave II-III    |
|                 |   | <i>Moderators: Emily S Burton</i><br><i>Speakers: Robert L Curry</i>  |                 |

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|-----------------|---|--|-----------------|
| 2:30pm – 2:45pm | O | <b>Convergent morphological evolution within the largest radiation of Neotropical songbirds (Thraupidae)</b><br><i>Moderators: Amelia-Juliette Claire Demery</i><br><i>Speakers: Kevin J Burns</i>   | Presidio I      |
| 2:30pm – 2:45pm | O | <b>Landscape heterogeneity explains taxonomic, not functional or phylogenetic, bird diversity across agricultural landscapes</b><br><i>Moderators: Alison Ke</i><br><i>Speakers: Robert J. Fletcher, Robert A. McCleery, Ara Monadjem, Chevonne Reynolds, Muzi Sibiya</i>    | Coronado II     |
| 2:30pm – 2:45pm | O | <b>Wood Thrush movements within the breeding season: Implications for availability for survey in distance and occupancy sampling</b><br><i>Moderators: Vitek Jirinec</i><br><i>Speakers: Matthias Leu</i>  | Coronado I      |
| 2:30pm – 2:45pm | M | <b>Grazing management for conserving grassland birds: the need to consider local environmental context and species philopatry across landscapes</b><br><i>Moderators: Kristin Petersilia Davis</i><br><i>Speakers: Cameron L Aldridge, David J Augustine, Susan K Skagen</i> | Presidio III-IV |
| 2:30pm – 2:45pm | M | <b>How do different bird species visually perceive solar panels? Implications for reducing avian mortality in solar facilities</b><br><i>Moderators: Esteban Fernandez-Juricic</i><br><i>Speakers: Patrice Baumhardt, K. Lance Kelly</i>                                     | Presidio II     |
| 2:30pm – 2:45pm | M | <b>Variation in altitudinal molt migration in western birds</b><br><i>Moderators: Jared D Wolfe</i><br><i>Speakers: John Alexander, C. John Ralph, Jaime Stephens, Andrew K Wiegardt</i>   | Presidio V      |
| 2:30pm – 2:45pm | U | <b>Nuclear DNA supports mitochondrial and phenotypic divergence in Steller's Jays (Cyanocitta stelleri)</b><br><i>Moderators: Zheng None Oong</i><br><i>Speakers: Rauri C. K. Bowie, Carla Cicero, Kevin Feldheim, Zachary R. Hanna</i>                                      | Agave II-III    |
| 2:45pm – 3:00pm | O | <b>Home-Range Scale Habitat Selection Patterns Do not Necessarily Imply Home-Range Scale Decisions</b><br><i>Moderators: Scott W Yanco</i><br><i>Speakers: Brian D Linkhart, Michael B Wunder</i>  | Coronado I      |
| 2:45pm – 3:00pm | O | <b>Pattern and paradox in passerine nest types</b><br><i>Moderators: Jay P McEntee</i><br><i>Speakers: J. Gordon Burleigh</i>  | Presidio I      |
| 2:45pm – 3:00pm | O | <b>The role of seed dispersal by corvids in the recovery of oak habitat on California's largest islands</b><br><i>Moderators: Mario B. Pesendorfer</i><br><i>Speakers: Scott A. Morrison, Scott Sillett</i>  | Coronado II     |
| 2:45pm – 3:00pm | M | <b>Are solar facilities in the southwestern U.S. a threat to Yuma Ridgway's rails?</b><br><i>Moderators: Eamon J Harrity</i><br><i>Speakers: Courtney J Conway</i>   | Presidio II     |
| 2:45pm – 3:00pm | M | <b>Context-dependent influences of vegetation structure on nest survival in the shortgrass steppe</b><br><i>Moderators: Amber Rose Carver</i><br><i>Speakers: David J Augustine, Susan K Skagen, Michael B Wunder</i>  | Presidio III-IV |
| 2:45pm – 3:00pm | M | <b>Drivers of molt-migration in intra-tropical migratory birds</b><br><i>Moderators: Alex E. Jahn</i><br><i>Speakers: André C Guaraldo, Maggie MacPherson, Thomas B Ryder</i>  | Presidio V      |
| 2:45pm – 3:00pm | U | <b>The Evolution of Tarsal Spurs in Galliformes</b><br><i>Moderators: Emily Victoria Griffith</i><br><i>Speakers: Rebecca Kimball</i>  | Agave II-III    |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Presideo Foyer  |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Turquoise Foyer |



|                 |   |   |                 |
|-----------------|---|---|-----------------|
| 3:30pm – 3:45pm | O | <b>Breeding season carry-over effects of forest fragmentation on Wood Thrush (<i>Hylocichla mustelina</i>)</b><br><i>Moderators: Brendan Boyd</i><br><i>Speakers: Sue Hayes, Bridget Stutchbury</i>   | Coronado I      |
| 3:30pm – 3:45pm | O | <b>Chromosomal inversions and reproductive isolation in an avian hybrid zone</b><br><i>Moderators: Daniel Marc Hooper</i><br><i>Speakers: Simon C Griffith, Trevor D Price</i>  | Presidio I      |
| 3:30pm – 3:45pm | O | <b>What does the blue-green colour of robin eggs signal, if anything?</b><br><i>Moderators: Philina A. English</i><br><i>Speakers: Robert Montgomerie, Lori D Parker</i>  | Coronado II     |
| 3:30pm – 3:45pm | M | <b>Quantifying the contribution of ranching to grassland birds of the northern Great Plains</b><br><i>Moderators: Kevin S Ellison</i>   | Presidio III-IV |
| 3:30pm – 3:45pm | M | <b>Regional Observations and Trends in Avian Mortality at PV Solar Facilities</b><br><i>Moderators: Wallace P Erickson</i><br><i>Speakers: Karl Kosciuch, Daniel Riser-Espinoza</i>   | Presidio II     |
| 3:30pm – 3:45pm | M | <b>Use of non-breeding sites for prebasic molt by the long-distance migrant Swainson's Thrush</b><br><i>Moderators: L Figueira</i><br><i>Speakers: John D Alexander, Robert I Frey, C. John Ralph, Jaime L Stephens</i>                             | Presidio V      |
| 3:30pm – 3:45pm | U | <b>Brood size differentially affects the nestling stress response in sympatric swallows, but does not impact growth or survival</b><br><i>Moderators: Braelei Marie Hardt</i><br><i>Speakers: Daniel R Ardia, Meredith J Bashaw, James W Rivers</i> | Agave II-III    |
| 3:45pm – 4:00pm | O | <b>Breeding season length and climate conditions in winter affect survival of a passerine during migration</b><br><i>Moderators: Scott Sillett</i><br><i>Speakers: Clark S Rushing</i>  | Coronado I      |
| 3:45pm – 4:00pm | O | <b>Experimental Tests of Delayed Dispersal in Fairy-wrens</b><br><i>Moderators: Stephen Pruett-Jones</i><br><i>Speakers: Allison E. Johnson</i>   | Coronado II     |
| 3:45pm – 4:00pm | O | <b>Genomic underpinnings of acrobatic social displays in neotropical manakins (Pipridae)</b><br><i>Moderators: Christopher N Balakrishnan</i><br><i>Speakers: Lainya B Day, Robert J Driver, Matthew J Fuxjager, James B Pease</i>                  | Presidio I      |
| 3:45pm – 4:00pm | M | <b>An estimate of natural avian mortality in the Mojave Desert</b><br><i>Moderators: Manuela M Huso</i><br><i>Speakers: Linda Allison, Amy L Fesnock</i>  | Presidio II     |
| 3:45pm – 4:00pm | M | <b>Evidence for a prealternate molt-migration in Rufous Hummingbirds</b><br><i>Moderators: Desmond E. Sieburth</i><br><i>Speakers: Peter Pyle</i>   | Presidio V      |
| 3:45pm – 4:00pm | M | <b>Prioritizing and Evaluating North American Grassland Bird Conservation Efforts</b><br><i>Moderators: Nicole L Michel</i><br><i>Speakers: Joanna Grand, Gary Langham, Chad Wilsey</i>   | Presidio III-IV |
| 3:45pm – 4:00pm | U | <b>Assessing Variation in Isotopic Signatures of Tissues for a Migratory Songbird (Tree Swallow)</b><br><i>Moderators: Rachel Margaret Gingras</i><br><i>Speakers: Douglas Causey, Audrey R Taylor</i>  | Agave II-III    |
| 4:00pm – 4:15pm | O | <b>Investigating Local Adaptation in Gunnison Sage-grouse Populations</b><br><i>Moderators: Shawna J Zimmerman</i><br><i>Speakers: Cameron L Aldridge, Sara J Oyeler-McCance</i>  | Presidio I      |
| 4:00pm – 4:15pm | O | <b>Parrot border crossing?: Biology and conservation of endangered red-crowned parrots in the Rio Grande Valley of Texas</b><br><i>Moderators: Karl S Berg</i><br><i>Speakers: Caleb M Arellano, Anthony K Henehan, Clifford E Shackelford</i>      | Coronado I      |

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|-----------------|---|--|-----------------|
| 4:00pm – 4:15pm | O | <b>The effects of Brown-headed Cowbird (<i>Molothrus ater</i>) brood parasitism on the growth and development of grassland songbird hosts</b>              | Coronado II     |
|                 |   | <i>Moderators: Sarah K Winnicki</i><br><i>Speakers: W A Boyle</i>  |                 |
| 4:00pm – 4:15pm | M | <b>The geographic footprint of California solar energy effects on bird populations</b>   | Presidio II     |
|                 |   | <i>Moderators: Hannah B Vander Zanden</i><br><i>Speakers: Tara J Conkling, Todd E. Katzner, David M Nelson</i>   |                 |
| 4:00pm – 4:15pm | M | <b>Upslope molt migration of Orange-crowned warblers on the west slope of the Sierra Nevada in California</b>  | Presidio V      |
|                 |   | <i>Moderators: Daniel G Wenny</i>  |                 |
| 4:00pm – 4:15pm | U | <b>Avian spring migration as a dispersal mechanism for a forest insect invasion</b>  | Agave II-III    |
|                 |   | <i>Moderators: Nicholas J Russo</i><br><i>Speakers: Carole A.S.-J. Cheah, Chris S. Elphick, Morgan W. Tingley</i>  |                 |
| 4:00pm – 5:00pm | M | <b>DISCUSSION</b>  | Presidio III-IV |
| 4:15pm – 4:30pm | O | <b>Evolutionary genomics and transcriptomics of variable female plumage ornamentation in a New Guinea <i>Malurus</i> fairywren</b>                         | Presidio I      |
|                 |   | <i>Moderators: Erik David Enbody</i><br><i>Speakers: Scott V Edwards, Jordan Karubian, Simon Yung Wa Sin, Michael S. Webster</i>                           |                 |
| 4:15pm – 4:30pm | O | <b>Southwestern Willow Flycatcher (<i>Empidonax traillii extimus</i>) wintering ecology in Nicaragua</b>   | Coronado I      |
|                 |   | <i>Moderators: Mary J Whitfield</i><br><i>Speakers: Sarah M Otterstrom, Kristen Ruegg</i>  |                 |
| 4:15pm – 4:30pm | O | <b>Winter mates impact summer dates: Linking non-breeding social environment and reproductive success in an Australian songbird</b>                        | Coronado II     |
|                 |   | <i>Moderators: Joseph F Welklin</i><br><i>Speakers: Jordan Karubian, Sarah Khalil, Samantha M Lantz, Michael S. Webster</i>                                |                 |
| 4:15pm – 4:30pm | M | <b>Demography of birds killed at solar energy facilities</b>   | Presidio II     |
|                 |   | <i>Moderators: Tara J Conkling</i><br><i>Speakers: Jay E. Diffendorfer, Adam E. Duerr, Scott R Loss, David M Nelson, Hannah B Vander Zanden</i>            |                 |
| 4:15pm – 4:30pm | M | <b>Linking life-history events through feather quality</b>   | Presidio V      |
|                 |   | <i>Moderators: Vanya G Rohwer</i>  |                 |
| 4:15pm – 4:30pm | U | <b>Effects of Land Management Type on American Kestrel (<i>Falco sparverius</i>) Occupancy and Recruitment</b>   | Agave II-III    |
|                 |   | <i>Moderators: Allison K Kohler</i><br><i>Speakers: Thomas C Doolittle, Brian Heeringa, Erik R Olson, Mary R Sellars</i>                                   |                 |
| 4:30pm – 4:45pm | O | <b>Effects of Drought on Brood Parasite Body Condition, Follicle Development and Parasitism: Implications for Host-Parasite Dynamics</b>                   | Coronado II     |
|                 |   | <i>Moderators: Valerie L. Buxton</i><br><i>Speakers: Than J. Boves, Wendy M. Schelsky, Jinelle H. Sperry, Scott Summers, Patrick J. Weatherhead</i>        |                 |
| 4:30pm – 4:45pm | O | <b>Genome-wide analysis of differentiation and introgression in Anna's and Costa's hummingbirds</b>  | Presidio I      |
|                 |   | <i>Moderators: Elisa C. Henderson</i><br><i>Speakers: Alan Brelford</i>  |                 |
| 4:30pm – 4:45pm | O | <b>Influence of Drought on Nest Phenology of the Burrowing Owl [<i>Athene Cunicularia</i>] Throughout the Great Plains Region</b>                          | Coronado I      |
|                 |   | <i>Moderators: Catie M. Porro</i><br><i>Speakers: Kirsten Cruz-McDonnell, Martha J Desmond, Fitsum A. Gebreselassie, Randall Griebel, Julie A. Savidge</i> |                 |
| 4:30pm – 4:45pm | M | <b>Impacts of solar energy development on breeding birds of the Nutt Grasslands, NM</b>  | Presidio II     |
|                 |   | <i>Moderators: DeeAnne T Meliopoulos</i><br><i>Speakers: David Daniel, Martha J Desmond</i>  |                 |
| 4:30pm – 4:45pm | M | <b>The effects of life history and external drivers on the molts of migratory birds</b>  | Presidio V      |
|                 |   | <i>Moderators: Ryan S. Terrill</i><br><i>Speakers: James M. Maley, John McCormack, Glenn F. Seeholzer, Whitney L.E. Tsai, Jared D Wolfe</i>                |                 |
| 4:30pm – 7:00pm | N | <b>Publication Committee Meeting</b>   | Agave I         |

|                 |   |  |                             |
|-----------------|---|--|-----------------------------|
| 4:45pm – 5:00pm | O | <b>Behavior of nestling and adult grassland passerines at fledging</b><br><i>Moderators: Christine A. Ribic</i><br><i>Speakers: Kevin Ellison, Nicola Koper, Christoph S. Ng, David J. Rugg</i>  | Coronado II                 |
| 4:45pm – 5:00pm | O | <b>Carry-over effects of spring migration distance on reproductive success of tree swallows</b><br><i>Moderators: Elizabeth A. Gow</i><br><i>Speakers: David W Bradley, Robert G Clark, Russell D Dawson, Samantha M Knight, Ryan D Norris</i>   | Coronado I                  |
| 4:45pm – 5:00pm | O | <b>Creeper Genomics</b><br><i>Moderators: Joseph D Manthey</i>   | Presidio I                  |
| 4:45pm – 5:00pm | M | <b>DISCUSSION</b>  | Presidio V                  |
| 4:45pm – 5:00pm | M | <b>Renewable Energy and Birds</b><br><i>Moderators: Garry George</i>   | Presidio II                 |
| 4:45pm – 5:00pm | U | <b>Student poster presenter introductions and closing remarks</b>  | Agave II-III                |
| 5:00pm – 6:00pm | N | <b>Conservation Committee</b>  | Coronado II                 |
| 5:00pm – 7:00pm | V | <b>LGBTQA Social</b>   | Epazote Kitchen & Cocktails |
| 6:00pm – 7:30pm | Y | <b>Forty Years of Finding Birds in Southeastern Arizona: in honor of the careers of Dr. Stephen and Ruth Russell</b><br><i>Speakers: Chris Benesh, Les Corey, Jennie MacFarland, Ron Pulliam, Scott Richardson, Susan Wethington</i><br><i>Sponsors: American Ornithological Society, Tucson Audubon Society</i> | Presidio III-V              |
| 6:00pm – 8:00pm | R | <b>Keeping our Feet Wet – Recent Progress and Future Directions in Rusty Blackbird Research</b>  | Joshua Tree                 |
| 7:30pm – 9:30pm | I | <b>Poster Reception</b>  | Turquoise Ballroom          |

# AOS 2018 Annual Conference

- A Affiliate Meeting  
 N AOS Council & Business Meetings  
 C Coffee Break  
 O Concurrent Session  
 E Exhibitors  
F Field Trip  
 L Lightning Talk  
 P Plenary  
 R Roundtable  
 S Silent Auction  
 V Special Events  
 M Symposium

## APRIL 13 • FRIDAY

|                   |   |                             |
|-------------------|---|-----------------------------|
| 6:00am – 12:00pm  | F <b>Molino Basin- Requires Pre-Registration</b><br><i>Volunteers: Chris Chappell</i>   | Presidio Registration Foyer |
| 7:00am – 11:30am  | F <b>Catalina State Park- Requires Pre-Registration</b><br><i>Volunteers: Stephen Vaughan</i>   | Presidio Registration Foyer |
| 8:00am – 10:00am  | P <b>Plenary: Early Professional Award Winners</b><br><i>Speakers: Kristen Covino, Dr. Scott A. Taylor</i>  | Presidio III-V              |
| 8:00am – 10:20am  | S <b>Silent Auction</b>   | Turquoise Ballroom          |
| 8:00am – 3:30pm   | E <b>Exhibit Hall</b>   | Turquoise Ballroom          |
| 10:00am – 10:30am | C <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>  | Presideo Foyer              |
| 10:00am – 10:30am | C <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>  | Turquoise Foyer             |
| 10:30am – 10:45am | O <b>Adaptations for relative larger brains in hummingbird skulls</b><br><i>Moderators: Diego Ocampo</i><br><i>Speakers: Gilbert Barrantes, J. Albert C. Uy</i>   | Presidio II                 |
| 10:30am – 10:45am | O <b>Ectoparasitism of the Wood Thrush (<i>Hylocichla mustelina</i>) in Suburban Forests</b><br><i>Moderators: Katherine M Straley</i><br><i>Speakers: David King, Paige Warren</i>   | Coronado II                 |
| 10:30am – 10:45am | O <b>Occurrence and variability of tactile interactions between wild American crows and dead conspecifics</b><br><i>Moderators: Kaeli Natani Swift</i><br><i>Speakers: John Marzluff</i>  | Presidio I                  |
| 10:30am – 10:45am | O <b>Overcoming thermal and hypoxic challenges of high elevations in two hummingbird species</b><br><i>Moderators: Austin R. Spence</i><br><i>Speakers: Morgan W. Tingley</i>   | Coronado I                  |
| 10:30am – 10:45am | M <b>Avian reproduction in the heat and limits on activity</b><br><i>Moderators: Blair O. Wolf</i><br><i>Speakers: Eric K Smith</i>   | Presidio V                  |
| 10:30am – 10:45am | M <b>Integrating citizen science and structured data to inform conservation and management</b><br><i>Moderators: Nicole L Michel</i><br><i>Speakers: Gary M Langham, Timothy D Meehan, Chad B Wilsey</i>  | Presidio III-IV             |
| 10:35am – 10:40am | L <b>Citizen science data reveals hidden migratory movements of the Common Potoo, <i>Nyctibius griseus</i>, in Brazil</b><br><i>Moderators: Lucas W DeGroot</i><br><i>Speakers: Erika Hingst-Zaher, Luciano Moreira Lima, Jacob Slyder, John Wenzel</i> | Agave II-III                |
| 10:40am – 10:45am | L <b>Seasonal Shift in Understory Thrushes in a Montane Forest in Western Ecuador</b><br><i>Moderators: Dusti Becker</i>  | Agave II-III                |
| 10:45am – 10:50am | L <b>Will Intensive Song Playback Affect Breeding Performance? A field study of <i>Abroscopus albogularis</i> in Taiwan</b><br><i>Moderators: Mu-Ming Lin</i><br><i>Speakers: Tzung-Su Ding, Cheng-Te Yao</i>   | Agave II-III                |

|                   |   |   |                 |
|-------------------|---|---|-----------------|
| 10:45am – 11:00am | O | <b>Cats are always scary: corticosterone response to live predator presentation in captive house sparrows</b><br><i>Moderators: Aurelia C Kucera</i><br><i>Speakers: Britt J Heidinger</i>  | Coronado I      |
| 10:45am – 11:00am | O | <b>Hemoglobin evolution across elevational transitions in the phylogeny of the diglossine tanagers</b><br><i>Moderators: Christopher C Witt</i><br><i>Speakers: Michael J Andersen, Elizabeth J Beckman, Andrea C Chavez, Jenna M McCullough, Jay F Storz</i> | Presidio II     |
| 10:45am – 11:00am | O | <b>Social network position correlates with exploratory behavior in Carolina Chickadees (<i>Poecile carolinensis</i>)</b><br><i>Moderators: Rebecca Danielle Garlinger</i><br><i>Speakers: Robert L Curry, Sarah E Polekoff</i>                                | Presidio I      |
| 10:45am – 11:00am | O | <b>The role of weather in bird-building collisions in a downtown area of a major U.S. city</b><br><i>Moderators: Sirena None Lao</i><br><i>Speakers: Abigail W Anderson, Robert B Blair, Joanna W Eckles, Scott R Loss, Reed J Turner</i>                     | Coronado II     |
| 10:45am – 11:00am | M | <b>Latitudinal variation in nest microclimate explains variation in hatching success, nestling growth, and nestling survival in burrowing owls</b><br><i>Moderators: Carl G Lundblad</i><br><i>Speakers: Courtney J Conway</i>                                | Presidio V      |
| 10:45am – 11:00am | M | <b>New initiatives at cooperative bird banding stations aid the conservation of migratory species</b><br><i>Moderators: Steven Albert</i><br><i>Speakers: Kristen Ruegg, James Saracco</i>  | Presidio III-IV |
| 10:50am – 10:55am | L | <b>Movement Ecology and Diet of a Culturally Important Frugivorous Bird Species</b><br><i>Moderators: Bret Nainoa Mossman</i><br><i>Speakers: Patrick J Hart, Kristina Paxton</i>   | Agave II-III    |
| 10:55am – 11:00am | L | <b>Estimating population-level reproductive rates from roost counts for Red-crowned Parrots (<i>Amazona viridigenalis</i>)</b><br><i>Moderators: Simon R Kiacz</i><br><i>Speakers: Donald J Brightsmith</i>   | Agave II-III    |
| 11:00am – 11:05am | L | <b>Countershading as a potential flight-enhancing adaptation in seabirds</b><br><i>Moderators: Mostafa Hassanalian</i><br><i>Speakers: Abdessattar Abdelkefi, Mohamed Ali, Samah Ben Ayed, Christopher M Hocut, Peter Houde</i>                               | Agave II-III    |
| 11:00am – 11:15am | O | <b>Color evolution in the lories and lorikeets</b><br><i>Moderators: Jon T Merwin</i><br><i>Speakers: Glenn F. Seeholzer, Brian T Smith</i>   | Presidio II     |
| 11:00am – 11:15am | O | <b>Conservation in the Classroom: Integrating Wild Birds into the 6th and 7th Grade Curriculum</b><br><i>Moderators: Janel L Ortiz</i><br><i>Speakers: Leonard A Brennan, April A.T. Conkey, La Vonne Fedynich, Marybeth Green</i>                            | Coronado II     |
| 11:00am – 11:15am | O | <b>Cooperative breeding in the variegated fairy-wren: is promiscuity an alternative strategy in the absence of help at the nest?</b><br><i>Moderators: Allison Elaine Johnson</i>   | Presidio I      |
| 11:00am – 11:15am | O | <b>Testosterone in a sex-role reversed and polyandrous bird: Female aggression, ornamentation, and reproductive success</b><br><i>Moderators: Misha A Blizard</i>   | Coronado I      |
| 11:00am – 11:15am | M | <b>Implications of climate change for wetland-associated birds in the U.S. interior: application of citizen science data</b><br><i>Moderators: Susan K Skagen</i><br><i>Speakers: Gordon C Reese, Helen R Sofaer, Valerie A Steen</i>                         | Presidio III-IV |
| 11:00am – 11:30am | M | <b>How an Interplay between Ovulation Order, Ambient Temperature, and Incubation Affects Offspring Fitness</b><br><i>Moderators: Keith W Sockman</i>  | Presidio V      |
| 11:05am – 11:10am | L | <b>Temporal scale of drought response in Great Plains birds</b><br><i>Moderators: Timothy J O'Connell</i><br><i>Speakers: Samantha M. Cady</i>  | Agave II-III    |

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| 11:10am – 11:15am | L | <b>A Novel Approach to Diet Analysis: Next-Generation Sequencing of Raptor Pellets and Fecal Material</b><br><i>Moderators: Marilyn E Wright</i><br><i>Speakers: Becky Williams</i>  | Agave II-III    |
| 11:15am – 11:20am | L | <b>Population genomics of birds in the North American warm deserts</b><br><i>Moderators: Kaiya L Provost</i><br><i>Speakers: Brian Tilston Smith</i>   | Agave II-III    |
| 11:15am – 11:30am | O | <b>Fussing over food: factors affecting the vocalizations American Crows utter around food</b><br><i>Moderators: LomaJohn T Pendergraft</i><br><i>Speakers: John M Marzluff</i>  | Presidio I      |
| 11:15am – 11:30am | O | <b>Growing up in a noisy world: can grassland songbird nestlings cope with oil development?</b><br><i>Moderators: Alexandra L Heathcote</i><br><i>Speakers: Nicola Koper</i>   | Coronado I      |
| 11:15am – 11:30am | O | <b>Levels of inbreeding driven by limited dispersal in Florida Scrub-Jays</b><br><i>Moderators: Jennifer Diamond</i><br><i>Speakers: Reed Bowman, Nancy Chen, John W Fitzpatrick</i>   | Presidio II     |
| 11:15am – 11:30am | O | <b>The traits that predict forest bird responses to urbanization intensity</b><br><i>Moderators: Grant D Paton</i><br><i>Speakers: Sara A Gagne, Alexandra V Shoffner, Andrew M Wilson</i>   | Coronado II     |
| 11:15am – 11:30am | M | <b>The end of the road: Challenges and solutions for avian abundance modeling in the remote North American boreal region</b><br><i>Moderators: Diana None Stralberg</i><br><i>Speakers: Nicole K.S. Barker, Erin Bayne, Fiona K.A Schmiegelow, Péter Sólymos, Samantha Song</i>        | Presidio III-IV |
| 11:20am – 11:25am | L | <b>Niche differentiation and genomic admixture of Free Flying Los Angeles Parrots (FFLAP)</b><br><i>Moderators: James M. Maley</i><br><i>Speakers: John E. McCormack, Ryan S. Terrill, Whitney L. E. Tsai</i>  | Agave II-III    |
| 11:25am – 11:30am | L | <b>Impacts of environmental heterogeneity and migration strategies on population genetic structure across an extensively hybridizing songbird genus</b><br><i>Moderators: Cooper A French</i><br><i>Speakers: John T Klicka</i>  | Agave II-III    |
| 11:30am – 11:35am | L | <b>A phylogenomic investigation of the family Ardeidae (herons)</b><br><i>Moderators: Jack P Hruska</i><br><i>Speakers: Kevin McCracken, Robert Moyle, Fred Sheldon</i>  | Agave II-III    |
| 11:30am – 11:45am | O | <b>A city of Oropendolas: A characterization of Psarocolius decumanus nesting colonies in an urban landscape</b><br><i>Moderators: Fernando Machado-Stredel</i><br><i>Speakers: Ana Melisa Fernandes, Jorge Luis Pérez-Emán, Fernando Riera</i>  | Coronado II     |
| 11:30am – 11:45am | O | <b>Does noise affect male house wren detection and response to a territorial intruder?</b><br><i>Moderators: Erin E. Grabarczyk</i><br><i>Speakers: Sharon A Gill</i>  | Presidio I      |
| 11:30am – 11:45am | O | <b>Effects of winter food supply on nocturnal hypothermia</b><br><i>Moderators: Johan Nilsson</i><br><i>Speakers: Jan-Åke A Nilsson, Hannah Watson</i>   | Coronado I      |
| 11:30am – 11:45am | O | <b>Genomic and ecomorphological divergence across an avian hybrid zone</b><br><i>Moderators: Nicholas T. Vinciguerra</i><br><i>Speakers: Brant C Faircloth, John E. McCormack, Whitney L.E. Tsai</i>   | Presidio II     |
| 11:30am – 11:45am | M | <b>Incubation temperature alters sex ratios of avian offspring</b><br><i>Moderators: Sarah E DuRant</i><br><i>Speakers: William A Hopkins</i>  | Presidio V      |
| 11:35am – 11:40am | L | <b>Fine-scale mapping of coastal plant communities in the northeastern USA: measuring habitat of a declining marsh passerine</b><br><i>Moderators: Maureen D Correll</i><br><i>Speakers: Christopher S Elphick, Wouter Hantson, Thomas P Hodgman, Brian J Olsen, W Gregory Shriver</i> | Agave II-III    |

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| 11:40am – 11:45am | L | <b>Ultraconserved elements resolve genus-level relationships in the honeyeaters (Meliphagidae)</b><br><i>Moderators: Michael J Andersen</i><br><i>Speakers: Nicholas R Friedman, Leo Joseph, Jenna M McCullough, Robert G Moyle, Arpad S Nyari, A Townsend Peterson</i> | Agave II-III    |
| 11:45am – 12:00pm | O | <b>Degree of immune challenge differentially affects oxidative stress and metabolism</b><br><i>Moderators: Michael W Butler</i><br><i>Speakers: Ellen M Armour</i>  | Coronado I      |
| 11:45am – 12:00pm | O | <b>Neotropical Wrens Learn New Duet Rules as Adults</b><br><i>Moderators: Karla D Rivera-Cáceres</i><br><i>Speakers: Marcelo Araya-Salas, Esmeralda Quirós-Guerrero, William A Searcy, Christopher N Templeton</i>  | Presidio I      |
| 11:45am – 12:00pm | O | <b>Nocturnal lights affect bird-building collisions</b><br><i>Moderators: Corey S. Riding</i><br><i>Speakers: Scott R Loss, Timothy J O'Connell</i>   | Coronado II     |
| 11:45am – 12:00pm | O | <b>Population differentiation of two tidal marsh sparrows and the implications for generalist-specialist cycling</b><br><i>Moderators: Brian J Olsen</i><br><i>Speakers: Meaghan Conway, Adrienne I Kovach, Katharine J Ruskin, Jennifer Walsh</i>                      | Presidio II     |
| 11:45am – 12:00pm | M | <b>Big Data beget bigger models: adventures in analyzing the output of species distribution models from eBird data</b><br><i>Moderators: Wesley M. Hochachka</i><br><i>Speakers: Tom Auer, Daniel Fink, Alison Johnston, Steve Kelling</i>                              | Presidio III-IV |
| 11:45am – 12:00pm | M | <b>Temperature &amp; life history: effect of temperature manipulation during incubation on immunity and thermoregulatory performance</b><br><i>Moderators: Daniel R Ardía</i>   | Presidio V      |
| 12:00pm – 1:30pm  | A | <b>BNA Liaison Committee</b>  | Agave I         |
| 12:00pm – 1:30pm  | N | <b>Editorial Lunch (Auk)</b>  | Joshua Tree I   |
| 12:00pm – 1:30pm  | N | <b>Editorial Lunch (Condor)</b>   | Joshua Tree II  |
| 12:15pm – 1:15pm  | N | <b>Meet the AOS Research Awards Committee Meeting</b>   | Agave II - III  |
| 12:15pm – 1:15pm  | V | <b>LeConte's Thrashers</b>  | Coronado II     |
| 1:30pm – 1:45pm   | O | <b>Habitat and Seasonal Effects on the Avian Community in a Fragmented Maritime Forest</b><br><i>Moderators: Holly J. Ferreira</i><br><i>Speakers: Amanda L. Fox, James A. Rotenberg</i>  | Agave II-III    |
| 1:30pm – 1:45pm   | O | <b>Selection of nest-site aspect and vegetation structure results in cooler microclimates for Gray Vireo (Vireo vicinior) nests</b><br><i>Moderators: Jonathan Philo Harris</i><br><i>Speakers: Scott T McMurry, Loren M Smith</i>                                      | Presidio I      |
| 1:30pm – 1:45pm   | O | <b>Using ancient DNA and fossils to understand the historical diversity and distribution of Bahamian birds</b><br><i>Moderators: Jessica A Oswald</i><br><i>Speakers: Julie M Allen, Robert Guralnick, David W. Steadman</i>  | Coronado I      |
| 1:30pm – 1:45pm   | M | <b>Backyard habitats: The next frontier in bird conservation</b><br><i>Moderators: Susannah B Lerman</i><br><i>Speakers: Mark Goddard, Karen Ikin, Peter P Marra</i>  | Presidio II     |
| 1:30pm – 1:45pm   | M | <b>Bird community changes along tropical environmental gradients as a proxy for studying global change</b><br><i>Moderators: Scott K. Robinson</i>  | Presidio V      |
| 1:30pm – 1:45pm   | M | <b>The Great Backyard Bird Count: Creating Engagement through Community Science</b><br><i>Moderators: Zach K Slavin</i>   | Presidio III-IV |
| 1:45pm – 2:00pm   | O | <b>Afro-tropical lowland forests: cradles or museums of avian diversity?</b><br><i>Moderators: Jerry Wallace Huntley</i><br><i>Speakers: Gary Voelker</i>   | Coronado I      |

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| 1:45pm – 2:00pm | O | <b>Effects of scale and land cover on Loggerhead Shrike occupancy</b><br><i>Moderators: Jennifer L. Froehly</i><br><i>Speakers: Catherine Bodinof Jachowski, David S. Jachowski, Amy Tegeler</i>   | Agave II-III    |
| 1:45pm – 2:00pm | O | <b>Grazing and grassland birds: Does management affect abundance in Colorado's shortgrass steppe</b><br><i>Moderators: Kristin Petersilia Davis</i><br><i>Speakers: Cameron L Aldridge, David J Augustine, Susan K Skagen</i>                                  | Coronado II     |
| 1:45pm – 2:00pm | O | <b>Heavy babies and skinny youth: Density dependence in a highly social bird</b><br><i>Moderators: Sahas S Barve</i><br><i>Speakers: Walter D Koenig, Eric L Walters</i>   | Presidio I      |
| 1:45pm – 2:00pm | M | <b>Exploring abiotic and biotic drivers of avian distributions and community turnover across Neotropical mountains</b><br><i>Moderators: Jill E Jankowski</i>  | Presidio V      |
| 1:45pm – 2:00pm | M | <b>Habitat Network: Coupling bird conservation with citizen science to scale-up impact</b><br><i>Moderators: Rhiannon L Crain</i>  | Presidio II     |
| 1:45pm – 2:00pm | M | <b>The Audubon Christmas Bird Count: Over 100 years of Citizen Science data informing conservation and management</b><br><i>Moderators: Geoffrey S. LeBaron</i>  | Presidio III-IV |
| 2:00pm – 2:15pm | O | <b>Breeding habitat requirements of Bendire's thrasher (<i>Toxostoma bendirei</i>) throughout its New Mexico and Arizona range</b><br><i>Moderators: Cody Tyler Bear Sutton</i><br><i>Speakers: Martha J Desmond, Dawn VanLeeuwen</i>                          | Presidio I      |
| 2:00pm – 2:15pm | O | <b>Comparing Demography of Sympatric Scaled and Gambel's Quail Populations in Response to Weather in the Chihuahuan Desert</b><br><i>Moderators: Elizabeth A Leipold</i><br><i>Speakers: Scott A Carleton, William R. Gould</i>                                | Agave II-III    |
| 2:00pm – 2:15pm | O | <b>Prairie Strips for Birds: Increasing Biodiversity Alongside Agriculture</b><br><i>Moderators: Jordan C Giese</i><br><i>Speakers: Robert W Klaver, Lisa A Schulte</i>  | Coronado II     |
| 2:00pm – 2:15pm | O | <b>Problematic Pachycephalidae: a new phylogenetic hypothesis using ultraconserved elements</b><br><i>Moderators: Serina S Brady</i><br><i>Speakers: Michael J Andersen, Leo Joesph, Robert G Moyle</i>  | Coronado I      |
| 2:00pm – 2:15pm | M | <b>Partners in Flight: A proactive, voluntary, and scientific approach to bird conservation</b><br><i>Moderators: Kenneth V Rosenberg</i><br><i>Speakers: Wendy Easton, Robert P Ford, Geoffrey Geupel, Becky Keller, Terrell D. Rich</i>                      | Presidio II     |
| 2:00pm – 2:15pm | M | <b>Species diversity across elevational gradients in the High Andes</b><br><i>Moderators: Cristian Steven Sevillano</i><br><i>Speakers: Amanda D. Rodewald</i>   | Presidio V      |
| 2:00pm – 2:15pm | M | <b>Uncovering the effects of climate change on bird species using structured citizen science: Audubon's Climate Watch program</b><br><i>Moderators: Brooke L Bateman</i><br><i>Speakers: Kathy Dale, Gary Langham, Nicole Michel, Zach Slavin, Chad Wilsey</i> | Presidio III-IV |
| 2:15pm – 2:30pm | O | <b>Landbird population trends in protected areas of the North Coast and Cascades Network</b><br><i>Moderators: Chris Ray</i><br><i>Speakers: Mandy Holmgren, Jason I Ransom, James F. Saracco, Rodney Siegel, Robert Wilkerson</i>                             | Agave II-III    |
| 2:15pm – 2:30pm | O | <b>The role of plumage color evolution in speciation in the tanagers (Aves: Thraupidae)</b><br><i>Moderators: Rosalyn M Price-Waldman</i><br><i>Speakers: Kevin J Burns, Allison J Shultz</i>  | Coronado I      |
| 2:15pm – 2:30pm | O | <b>Tracking grassland fledglings: using radio-telemetry to study post-fledging survival of a threatened grassland songbird</b><br><i>Moderators: Hannah C Carey</i><br><i>Speakers: Nicola Koper, Barry Robinson</i>   | Presidio I      |



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| 2:15pm – 2:30pm | M | <b>Agriculture erases climate-driven <math>\beta</math>-diversity in Neotropical bird communities</b><br><i>Moderators: Daniel Sol Karp</i><br><i>Speakers: Kai MA Chan, Alejandra Echeverri, Luke O Frishkoff, Pedro Juarez</i>   | Presidio V      |
| 2:15pm – 2:30pm | M | <b>Soundscapes to Landscapes: Monitoring Animal Biodiversity from Space Using Citizen Scientists</b><br><i>Moderators: Wendy Schackwitz</i><br><i>Speakers: Marconi Campos-Cerqueira, Matthew Clark, David Leland, Lisa Micheli, Leo Salas</i>   | Presidio III-IV |
| 2:30pm – 2:45pm | O | <b>Effects of sex and inbreeding on reproductive senescence in three cooperatively breeding species</b><br><i>Moderators: Victoria None Garcia</i><br><i>Speakers: Reed Bowman, John W Fitzpatrick, Walter D Koenig, Eric L Walters, Jeffrey R Walters</i>   | Presidio I      |
| 2:30pm – 2:45pm | O | <b>Estimating Population Trends with Dynamic N-mixture Models: When do Repeated Visits Count?</b><br><i>Moderators: Adrian P Monroe</i><br><i>Speakers: Cameron L Aldridge, Peter S Coates, Mark A Ricca, Gregory T Wann</i>   | Agave II-III    |
| 2:30pm – 2:45pm | O | <b>Isolation and gene flow affect the diversification of a South Pacific bird: the Foulehaio honeyeater complex</b><br><i>Moderators: Xena M Mapel</i><br><i>Speakers: Alice Cibois, Tejashree H Modak, Robert G Moyle, Alivereti Naikatini, Joshua O Seamon</i>                                     | Coronado I      |
| 2:30pm – 2:45pm | O | <b>Rapid phenotypic &amp; trophic change in Horned Lark (<i>Eremophila alpestris</i>) after conversion of the Colorado desert to agriculture</b><br><i>Moderators: Nicholas A Mason</i><br><i>Speakers: Jed P Sparks, Phil Unitt</i>   | Coronado II     |
| 2:30pm – 2:45pm | M | <b>Climate change causes mountaintop extinctions in a tropical bird community</b><br><i>Moderators: Benjamin G. Freeman</i><br><i>Speakers: John W Fitzpatrick, Micah Scholer</i>  | Presidio V      |
| 2:30pm – 2:45pm | M | <b>Forest Bird Initiative: Keeping Birds and People on Common Ground</b><br><i>Moderators: Steve E Hagenbuch</i>   | Presidio II     |
| 2:30pm – 2:45pm | M | <b>Model Sets for the North American Breeding Bird Survey</b><br><i>Moderators: John R Sauer</i><br><i>Speakers: William A Link, Daniel K Niven</i>  | Presidio III-IV |
| 2:45pm – 3:00pm | O | <b>Origin and evolution of the extinct San Benedicto Island Rock Wren (<i>Salpinctes obsoletus exsul</i>) revealed by phylogeographic analysis of genome-wide variation</b><br><i>Moderators: Garth M Spellman</i><br><i>Speakers: Mike Andersen, Lauryn Benedict, Jenna McCullough, Nadjé Nahar</i> | Coronado I      |
| 2:45pm – 3:00pm | O | <b>Population Responses of the Northern Bobwhite to Land Use Changes in the Agricultural Landscapes of Ohio, USA</b><br><i>Moderators: Olivia M Smith</i>  | Coronado II     |
| 2:45pm – 3:00pm | O | <b>The Elephant Bird in the Room: Violations of the Closure Assumption and the Meaning of Occupancy</b><br><i>Moderators: Sean M Peterson</i><br><i>Speakers: Steven R Beissinger</i>  | Agave II-III    |
| 2:45pm – 3:00pm | M | <b>Evolutionary dynamics of elevational ranges in Andean birds</b><br><i>Moderators: Chauncey R Gadek</i><br><i>Speakers: Christopher C Witt</i>   | Presidio V      |
| 2:45pm – 3:00pm | M | <b>Integrating an eBird portal and an Avian Knowledge Network node for improved citizen science and bird conservation</b><br><i>Moderators: John D Alexander</i><br><i>Speakers: Ellie E Armstrong</i>   | Presidio III-IV |
| 2:45pm – 3:00pm | M | <b>Made in the shade: How Bird Friendly is good for people and biodiversity</b><br><i>Moderators: Peter P Marra</i>  | Presidio II     |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Turquoise Foyer |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Presideo Foyer  |

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| 3:30pm – 3:45pm | O | <b>Carotenoid metabolism strengthens the link between feather coloration and individual quality</b><br><i>Moderators: Ryan J Weaver</i><br><i>Speakers: Geoffrey E. Hill, Eduardo S. A. Santos, Anna M. Tucker, Alan E. Wilson</i>                                    | Coronado I      |
| 3:30pm – 3:45pm | O | <b>Migration strategies and nonbreeding movements of a threatened population of Black-crowned Night-Herons</b><br><i>Moderators: Kristie Anne Stein</i><br><i>Speakers: Laura J Kearns, Chris M Tonra</i>   | Presidio I      |
| 3:30pm – 3:45pm | O | <b>The changing foraging behavior of the Galapagos Islands seabird community</b><br><i>Moderators: Anna M Zarn</i><br><i>Speakers: Steven D Emslie, Carlos Valle</i>  | Agave II-III    |
| 3:30pm – 3:45pm | O | <b>Within-scale and cross-scale interactions of temperature and socioeconomic factors affect Neotropical migrant persistence</b><br><i>Moderators: Anand Chaudhary</i><br><i>Speakers: Kevin J Gutzwiller</i>   | Coronado II     |
| 3:30pm – 3:45pm | M | <b>Elevational range shifts in tropical avian communities</b><br><i>Moderators: Stuart Pimm</i><br><i>Speakers: German Forero-Medina</i>  | Presidio V      |
| 3:30pm – 3:45pm | M | <b>High resolution bird distributions from citizen science data</b><br><i>Moderators: Valerie A Steen</i><br><i>Speakers: Chris S. Elphick, Morgan W. Tingley</i>   | Presidio III-IV |
| 3:30pm – 3:45pm | M | <b>Mexican spotted owls and the Mescalero Apache</b><br><i>Moderators: Serra J Hoagland</i>   | Presidio II     |
| 3:45pm – 4:00pm | O | <b>Characterizing the niches of North American birds within contemporary culture</b><br><i>Moderators: Justin G. Schuetz</i><br><i>Speakers: Alison Johnston</i>  | Coronado II     |
| 3:45pm – 4:00pm | O | <b>Does signal diversity matter? Testing the significance of bird song repertoire size</b><br><i>Moderators: Stephanie Gobert Pitt</i><br><i>Speakers: Lauryn Benedict</i>  | Coronado I      |
| 3:45pm – 4:00pm | O | <b>Lifetime use of individual tree cavities in temperate and subtropical forest ecosystems in the Americas</b><br><i>Moderators: M. Kurtis Trzcinski</i><br><i>Speakers: Kristina L. Cockle, Amanda B. Edgeworthy, Kathy Martin, Karen L. Wiebe</i>                   | Agave II-III    |
| 3:45pm – 4:00pm | O | <b>Population genetics and migratory connectivity of the Prothonotary Warbler</b><br><i>Moderators: Matthew G DeSaix</i><br><i>Speakers: Lesley P Bulluck, Rodney J Dyer, Lindsay S Miles, Catherine B Viverette</i>  | Presidio I      |
| 3:45pm – 4:00pm | M | <b>BirdReturns: delivering dynamic cost-effective habitat for migratory birds in agricultural landscapes</b><br><i>Moderators: T. Rodd Kelsey</i><br><i>Speakers: Greg H Golet, Mark D Reynolds</i>   | Presidio II     |
| 3:45pm – 4:00pm | M | <b>Integrating remote sensing and citizen science to study the colonization of urban environments by a returning avian predator</b><br><i>Moderators: Jennifer D McCabe</i><br><i>Speakers: Jen Cruz, Anna Pidgeon, Volker Radeloff, He Yin, Benjamin Zuckerberg</i>  | Presidio III-IV |
| 3:45pm – 4:00pm | M | <b>The roles of interspecific aggression and thermal physiology in limiting elevational ranges of tropical birds</b><br><i>Moderators: Andy J Boyce</i><br><i>Speakers: Thomas E Martin, Blair O. Wolf</i>  | Presidio V      |
| 4:00pm – 4:15pm | O | <b>Dietary overlap and differences among coexisting, food-limited birds in relation to available prey and foraging behavior</b><br><i>Moderators: Cody M Kent</i><br><i>Speakers: Thomas W. Sherry</i>  | Agave II-III    |
| 4:00pm – 4:15pm | O | <b>Discovery of fall migration of Northern Saw-whet Owls (<i>Aegolius acadicus</i>) in Missouri, Arkansas, and Oklahoma (USA)</b><br><i>Moderators: Mitchell L Pruitt</i><br><i>Speakers: Abbey Ramirez, Mia Revels, Dana Ripper, Kimberly G Smith, Linda Tossing</i> | Presidio I      |

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| 4:00pm – 4:15pm | O | <b>Discrepancy in the amount of wintering versus breeding grassland bird publications: Using text analysis to quantify seasonal bias in life-cycle studies</b> | Coronado II     |
|                 |   | <i>Moderators: John A Muller</i>   |                 |
|                 |   | <i>Speakers: Jeremy D Ross</i>   |                 |
| 4:00pm – 4:15pm | O | <b>The Left Testis Differs from the Right Testis in Composition and Function Within Male Waterfowl and Game Birds (Galloanserae)</b>                           | Coronado I      |
|                 |   | <i>Moderators: David J Delehanty</i>   |                 |
|                 |   | <i>Speakers: Pamela P O'Hearn</i>  |                 |
| 4:00pm – 4:15pm | M | <b>Combining citizen science with targeted monitoring for Gulf of Mexico tidal marsh birds</b>   | Presidio III-IV |
|                 |   | <i>Moderators: Evan M. Adams</i>   |                 |
|                 |   | <i>Speakers: Robert J Cooper, Scott A. Rush, Mark S. Woodrey</i>   |                 |
| 4:00pm – 4:15pm | M | <b>Temperature and competition interact to structure Himalayan bird communities</b>  | Presidio V      |
|                 |   | <i>Moderators: Morgan W. Tingley</i>   |                 |
|                 |   | <i>Speakers: Paul R Elsen, Umesh Srinivasan, David S Wilcove</i>   |                 |
| 4:00pm – 4:15pm | M | <b>The Bobolink Project: Helping Farmers Protect Grassland Birds</b>   | Presidio II     |
|                 |   | <i>Moderators: Jonathan L. Atwood</i>  |                 |
|                 |   | <i>Speakers: Anwasha Chakrabarti, Pam Hunt, Mark LaBarr, Allan Strong, Stephen Swallow</i>   |                 |
| 4:15pm – 4:30pm | O | <b>Avian responses to indigenous community forest management in western Amazonia</b>   | Coronado II     |
|                 |   | <i>Moderators: Nico Arcilla</i>  |                 |
|                 |   | <i>Speakers: Robert J Cooper, Madison Sutton, Oscar Tsamajain-Shiwig</i>   |                 |
| 4:15pm – 4:30pm | O | <b>California chaparral bird community responses to prescribed fire and shrub removal in three management seasons</b>  | Agave II-III    |
|                 |   | <i>Moderators: Erica A Newman</i>  |                 |
|                 |   | <i>Speakers: Jennifer B Potts, Scott L. Stephens, Morgan W. Tingley, Charles Vaughn</i>  |                 |
| 4:15pm – 4:30pm | O | <b>Effect of resource mismatch on stopover mass gain dynamics for two Arctic-breeding shorebirds</b>   | Presidio I      |
|                 |   | <i>Moderators: Anna M. Tucker</i>  |                 |
|                 |   | <i>Speakers: Matthew Catalano, Audrey DeRose-Wilson, Conor McGowan, Jordan Zimmerman</i>   |                 |
| 4:15pm – 4:30pm | O | <b>Sampling constraints affect mate choice in birds</b>  | Coronado I      |
|                 |   | <i>Moderators: David R Wilson</i>  |                 |
|                 |   | <i>Speakers: Beth Fraser</i>   |                 |
| 4:15pm – 4:30pm | M | <b>Ecosystem services provided by American kestrels in fruit crops: farmer, consumer, and economic perspectives</b>  | Presidio II     |
|                 |   | <i>Moderators: Catherine A. Lindell</i>  |                 |
|                 |   | <i>Speakers: Julie Elser, Philip Howard, Christopher McClure, Megan Shave, Stephanie Shwiff</i>  |                 |
| 4:15pm – 4:30pm | M | <b>Informing isotopic assignment of secretive marsh birds migratory connectivity with directed and opportunistic citizen science data</b>                      | Presidio III-IV |
|                 |   | <i>Moderators: Auriel M.V. Fournier</i>  |                 |
|                 |   | <i>Speakers: Kiel L. Drake, Sammy L. King, Marie Perkins, Mark C Shieldcastle, Alexis R. Sullivan</i>  |                 |
| 4:15pm – 4:30pm | M | <b>Long-term demographic responses of forest understory bird species to habitat loss, fragmentation, and climate change in Tanzania</b>                        | Presidio V      |
|                 |   | <i>Moderators: William D Newmark</i>   |                 |
|                 |   | <i>Speakers: John M Halley, Clinton N Jenkins, Mathew J Kauffman, Nicole M Korfanta, Thomas R Stanley</i>  |                 |
| 4:30pm – 4:45pm | O | <b>Evidence for a relationship between the movements of boreal-breeding and temperate-breeding fringillids</b>   | Presidio I      |
|                 |   | <i>Moderators: Paul Joseph Dougherty</i>   |                 |
|                 |   | <i>Speakers: W. Herbert Wilson</i>   |                 |
| 4:30pm – 4:45pm | O | <b>Influence of Spawning Capelin on Marine Predator Diet and Food Web Structure in Coastal Newfoundland</b>  | Agave II-III    |
|                 |   | <i>Moderators: Edward J Jenkins</i>  |                 |
|                 |   | <i>Speakers: Gail Davoren</i>  |                 |
| 4:30pm – 4:45pm | O | <b>Loggerhead Shrike Predation on Dunes Sagebrush Lizards in Southeastern New Mexico</b>   | Coronado II     |
|                 |   | <i>Moderators: Charles D. Hathcock</i>   |                 |
|                 |   | <i>Speakers: Michael T Hill</i>  |                 |

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|------------------|---|--|-----------------|
| 4:30pm – 4:45pm  | O | <b>Parallel Evolution of Ordered Feather Barb Biophotonic Nanostructures</b><br><i>Moderators: VINODKUMAR SARANATHAN</i><br><i>Speakers: Richard O Prum</i>  | Coronado I      |
| 4:30pm – 4:45pm  | M | <b>Beyond bird counts: volunteer monitoring of shorebird productivity along the US west coast</b><br><i>Moderators: Timothy D Meehan</i><br><i>Speakers: A. Laurie Harvey, Gary M Langham, Nicole L Michel, Anna Weinstein</i>           | Presidio III-IV |
| 4:30pm – 4:45pm  | M | <b>Elevational changes in the avian community of a Mesoamerican cloud-forest park</b><br><i>Moderators: Montague H. C. Neate-Clegg</i><br><i>Speakers: Oliver Burdekin, Merlijn Jocque, Samuel E. I. Jones, Cagan H. Sekercioglu</i>     | Presidio V      |
| 4:45pm – 5:00pm  | O | <b>New Zealand Changing Islands: 35 years of Landbird Populations Affected by Introductions, Succession, Predator Control, and Weather</b><br><i>Moderators: C. John Ralph</i><br><i>Speakers: Linda L. Long, Carol P. Ralph</i>         | Agave II-III    |
| 4:45pm – 5:00pm  | O | <b>Ornamental chick coloration in American coots: selection within or between broods?</b><br><i>Moderators: Bruce E Lyon</i><br><i>Speakers: Daizaburo Shizuka</i>   | Coronado I      |
| 4:45pm – 5:00pm  | O | <b>Thunk! Understanding Bird-window Collisions on the Utah State University Campus</b><br><i>Moderators: Kim A. Sullivan</i><br><i>Speakers: Dylan Hopkins, Rachel Sagers</i>  | Coronado II     |
| 4:45pm – 5:00pm  | O | <b>Where do winter crows go? Characterizing partial migration with satellite telemetry, stable isotopes, and molecular markers</b><br><i>Moderators: Andrea K Townsend</i><br><i>Speakers: Blaire Frett, Anne McGarvey, Conor C Taff</i> | Presidio I      |
| 4:45pm – 5:00pm  | M | <b>DISCUSSION</b>  | Presidio V      |
| 4:45pm – 5:00pm  | M | <b>DISCUSSION</b>  | Presidio III-IV |
| 4:45pm – 5:00pm  | M | <b>DISCUSSION</b>  | Presidio II     |
| 5:00pm – 7:00pm  | N | <b>Publication Staff Meeting</b>   | Agave I         |
| 5:30pm – 7:30pm  | V | <b>Student/Professional Mixer</b>  | Last Territory  |
| 6:00pm – 7:30pm  | R | <b>First meeting of the R ornithologists: Discussing current issues and newest uses of R in the Ornithology world</b>  | Joshua Tree     |
| 6:00pm – 9:00pm  | N | <b>Student Presentation Awards Committee</b>   | Presidio I      |
| 8:00pm – 10:00pm | V | <b>Quiz Bowl</b>   | Presidio III-V  |

# AOS 2018 Annual Conference

- N AOS Council & Business Meetings  
 C Coffee Break  
 O Concurrent Session  
 F Field Trip  
 P Plenary  
 V Special Events  
Y Special Symposium  
 M Symposium  
 T Ticketed Event

## APRIL 14 • SATURDAY

|                   |   |                             |
|-------------------|---|-----------------------------|
| 6:30am – 11:00am  | F <b>Sweetwater Wetlands- Requires Pre-Registration</b><br><i>Volunteers: Jeff Babson</i>   | Presidio Registration Foyer |
| 6:30am – 12:00pm  | F <b>Pima Canyon- Requires Pre-Registration</b><br><i>Volunteers: Scott Olmstead</i>  | Presidio Registration Foyer |
| 8:00am – 10:00am  | P <b>Plenary: Living in the Anthropocene: Birds facing a changing world</b><br><i>Speakers: Ian MacGregor-Fors</i>  | Presidio III-V              |
| 10:00am – 10:30am | C <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>  | Presideo Foyer              |
| 10:00am – 10:30am | C <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>  | Turquoise Foyer             |
| 10:30am – 10:45am | O <b>Influence of avian life history strategies on building collision risk at a continental scale</b><br><i>Moderators: Jared A Elmore</i><br><i>Speakers: Bradley J Cosentino, Stephen B Hager, Scott R Loss</i>   | Coronado II                 |
| 10:30am – 10:45am | O <b>Monogamous shorebirds breed earlier and match with food peak better than sympatrically breeding polygamous shorebirds</b><br><i>Moderators: Eunbi Kwon</i><br><i>Speakers: Stephen C Brown, River Gates, H. Grant Gilchrist, Richard B Lanctot, Emily L Weiser</i> | Presidio II                 |
| 10:30am – 10:45am | O <b>Multi-species bird occupancy in pasturelands, and use of conspecific stimuli to increase Loggerhead Shrike detection</b><br><i>Moderators: Laura D Graham</i><br><i>Speakers: Christopher M Lituma</i>   | Agave II-III                |
| 10:30am – 10:45am | O <b>Range-wide migration patterns in Vermivora warblers</b><br><i>Moderators: Gunnar R Kramer</i><br><i>Speakers: David E Andersen, David A Buehler, Justin A Lehman, Sean M Peterson, Petra B. Wood</i>   | Presidio V                  |
| 10:30am – 10:45am | O <b>Seasonal Resource Partitioning between Northern Spotted Owls and Barred Owls in the Oregon Coast Range</b><br><i>Moderators: Julianna M. A. Jenkins</i><br><i>Speakers: Jonathan T. Kane, Van R. Kane, Damon B. Lesmeister, Jake Verschuyf, J. David Wiens</i>     | Coronado I                  |
| 10:30am – 10:45am | O <b>Woodpecker plumage evolution: convergence, mimicry, or neither?</b><br><i>Moderators: Eliot T Miller</i><br><i>Speakers: Benjamin G. Freeman, Alexander C Lees, Gavin M. Leighton, Russell A Ligon</i>   | Presidio I                  |
| 10:30am – 12:00pm | N <b>AOS Website Focus Group</b>  | Agave I                     |
| 10:30am – 5:00pm  | Y <b>Desert Birds in Peril: Research &amp; Conservation Challenges</b>  | Presidio III-IV             |
| 10:45am – 11:00am | O <b>Age-dependent habitat selection by Black-backed Woodpeckers in post-fire forests</b><br><i>Moderators: Andrew N Stillman</i><br><i>Speakers: J. Matthew Johnson, Rodney B. Siegel, Morgan W. Tingley, Robert L Wilkerson</i>                                       | Coronado I                  |
| 10:45am – 11:00am | O <b>Automated telemetry reveals staging behavior in a declining migratory passerine</b><br><i>Moderators: Jay R Wright</i><br><i>Speakers: Luke L. Powell, Christopher M Tonra</i>   | Presidio V                  |
| 10:45am – 11:00am | O <b>Does variation in nestling wing development and body condition drive post-fledging survival within and among songbird species?</b><br><i>Moderators: Todd M Jones</i><br><i>Speakers: Thomas J Benson, Jeffrey D Brawn, Michael P Ward</i>                         | Presidio I                  |

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|-------------------|--|--------------|
| 10:45am – 11:00am | <p>○ <b>Higher spring temperatures increase food scarcity and limit the distribution of crossbills</b><br/> <i>Moderators: Craig W Benkman</i><br/> <i>Speakers: Eduardo T Mezquida, Ron W Summers, Jens-Christian Svenning</i></p>  | Presidio II  |
| 10:45am – 11:00am | <p>○ <b>Surviving in the city: higher apparent survival for urban birds but worse condition on noisy territories</b><br/> <i>Moderators: Jennifer Nicole Phillips</i><br/> <i>Speakers: Elizabeth Derryberry, Katherine Gentry, David Luther</i></p>   | Coronado II  |
| 10:45am – 11:00am | <p>○ <b>Using point counts to estimate population growth and site quality: a comparison with intensive demographic monitoring</b><br/> <i>Moderators: Jonathon J. Valente</i><br/> <i>Speakers: Matthew G Betts, Richard A. Fischer, Clark S Rushing, Thomas B Ryder, T. Scott Sillett</i></p>                   | Agave II-III |
| 11:00am – 11:15am | <p>○ <b>Broad-scale occupancy monitoring of the threatened Mexican Spotted Owl (<i>Strix occidentalis lucida</i>)</b><br/> <i>Moderators: Wendy E Lanier</i><br/> <i>Speakers: Jennifer A Blakesley</i></p>  | Agave II-III |
| 11:00am – 11:15am | <p>○ <b>Climate change and management implications for a declining Neotropical migratory songbird breeding in the Great Plains</b><br/> <i>Moderators: Alex J Glass</i><br/> <i>Speakers: Nicole Arcilla, Andrew J Caven, Daniel H Kim, Kelsey C King, Madison Sutton</i></p>                                    | Presidio II  |
| 11:00am – 11:15am | <p>○ <b>Hurricane Sandy and Engineered Human Response Created Habitat for a Threatened Species</b><br/> <i>Moderators: Katie M Walker</i><br/> <i>Speakers: Henrietta A Bellman, Daniel H. Catlin, James D Fraser, Shannon J Ritter, Samantha G Robinson</i></p>   | Coronado I   |
| 11:00am – 11:15am | <p>○ <b>Insights into the Black Box of Long-Distance Migration Revealed by Emerging Tracking Technology</b><br/> <i>Moderators: Michael T. Hallworth</i><br/> <i>Speakers: Emily B Cohen, Nathan W. Cooper, Peter P Marra, T. Brandt Ryder, T. Scott Sillett</i></p>   | Presidio V   |
| 11:00am – 11:15am | <p>○ <b>Moving to the mainland: expanding assessment of the impacts of diversity and biogeographic history on assemblage vulnerability</b><br/> <i>Moderators: Brian C. Weeks</i><br/> <i>Speakers: Nichar Gregory, Shahid Naeem</i></p>   | Presidio I   |
| 11:00am – 11:15am | <p>○ <b>The role of resident bird species as carriers of ticks in urban areas</b><br/> <i>Moderators: Megan A Roselli</i><br/> <i>Speakers: Scott R Loss, Bruce H Noden</i></p>  | Coronado II  |
| 11:15am – 11:30am | <p>○ <b>From Alaska to the Amazon: migratory behavior of blackpoll warblers (<i>Setophaga striata</i>) across their breeding range</b><br/> <i>Moderators: William V Deluca</i><br/> <i>Speakers: Hilary A. Cooke, Stuart A. MacKenzie, Amy Newman, D. Ryan Norris, Laura Phillips, Bradley K. Woodworth</i></p> | Presidio V   |
| 11:15am – 11:30am | <p>○ <b>Resilience and resistance of songbird communities to wildfire in the northern boreal forest</b><br/> <i>Moderators: Michelle Knaggs</i><br/> <i>Speakers: Erin M. Bayne, Samuel A. Hache, Scott E. Nielsen, Rhiannon F. Pankratz, Diana Stralberg</i></p>  | Coronado I   |
| 11:15am – 11:30am | <p>○ <b>Spatiotemporal variation in hatching success and nestling sex ratio in a rapidly moving chickadee hybrid zone</b><br/> <i>Moderators: Robert L Curry</i><br/> <i>Speakers: Emily Burton, Robert J Driver, Valentina Ferretti</i></p>   | Presidio I   |
| 11:15am – 11:30am | <p>○ <b>The past, and future, roles of competition and habitat in the range-wide dynamics of Northern Spotted Owls</b><br/> <i>Moderators: Charles B Yackulic</i></p>  | Agave II-III |
| 11:15am – 11:30am | <p>○ <b>Trophic implications of a phenological paradigm shift: the case of bald eagles in a changing climate</b><br/> <i>Moderators: Madeleine A Rubenstein</i><br/> <i>Speakers: Roger Christophersen, Jason I Ransom</i></p>   | Presidio II  |
| 11:15am – 11:30am | <p>○ <b>Urban and Endangered: the complex realities of Red-crowned Parrots in Texas</b><br/> <i>Moderators: Donald J Brightsmith</i><br/> <i>Speakers: Janice D Boyd, Simon Kiacz</i></p>  | Coronado II  |

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|-------------------|---|--|--------------|
| 11:30am – 11:45am | O | <b>Does the Working Coast work for wildlife? Effects of saltmarsh restoration on avian communities in the Gulf of Mexico</b><br><i>Moderators: Paige A. Byerly</i><br><i>Speakers: Paul L Leberg, Hardin J. Waddle</i>   | Coronado I   |
| 11:30am – 11:45am | O | <b>Long-term patterns in breeding phenology and productivity of Flammulated Owls in a changing climate</b><br><i>Moderators: Brian D Linkhart</i>  | Presidio II  |
| 11:30am – 11:45am | O | <b>Migratory shorebird adheres to Bergmann's Rule throughout the annual lifecycle through shifts in individual body mass</b><br><i>Moderators: Dan Gibson</i><br><i>Speakers: Dan H. Catlin, Jonathon B. Cohen, James D Fraser, Angela D. Hornsby, Kelsi L. Hunt</i> | Presidio I   |
| 11:30am – 11:45am | O | <b>The recent expansion of Fox Sparrow breeding range into the northeastern United States</b><br><i>Moderators: John D Lloyd</i>   | Agave II-III |
| 11:30am – 11:45am | O | <b>Two Negatives Equal a Positive: How SoCal's Wild Parrots (Non-invasive, Non-native) Are Helping Conserve Mexican Species</b><br><i>Moderators: Brooke Durham</i>  | Coronado II  |
| 11:45am – 12:00pm | O | <b>Infestation by the exotic fruit fly, <i>Drosophila suzukii</i>, reduces local abundance of frugivorous birds in an Appalachian forest</b><br><i>Moderators: Scott H Stoleson</i><br><i>Speakers: Christopher M Lituma</i>   | Coronado I   |
| 12:00pm – 1:30pm  | N | <b>AOS Communications and Membership Committee Meeting</b>   | Agave I      |
| 12:00pm – 1:30pm  | V | <b>Golden Auk's Luncheon</b>   | Joshua Tree  |
| 12:15pm – 1:15pm  | V | <b>National Science Foundation Information Session</b><br><i>Speakers: Matt Carling</i>  | Presidio I   |
| 1:30pm – 1:45pm   | O | <b>Does use of exotic shrubs influence nesting success of Veeries in northeastern Pennsylvania?</b><br><i>Moderators: Christopher B. Goguen</i><br><i>Speakers: Les D. Murray</i>  | Coronado I   |
| 1:30pm – 1:45pm   | O | <b>Fifty Shades of Brown: evolution of plumage brightness in a large clade of Neotropical passerines</b><br><i>Moderators: Rafael S Marcondes</i><br><i>Speakers: Robb T Brumfield</i>   | Presidio I   |
| 1:30pm – 1:45pm   | O | <b>Ground-dwelling songbirds as competent carriers and reservoirs of vector-borne disease (Lyme disease)</b><br><i>Moderators: Amanda J Hill</i><br><i>Speakers: Lucas W DeGroot, Brian M Hendricks, Christopher M Lituma, B. Jean Meade, Matthew E Wilson</i>       | Coronado II  |
| 1:30pm – 1:45pm   | O | <b>Taming the temperature: Do birds select nest sites that modulate microclimatic variation?</b><br><i>Moderators: Tayler M Scherr</i><br><i>Speakers: Anna D. Chalfoun</i>  | Agave II-III |
| 1:30pm – 1:45pm   | M | <b>Bridging the gap between science and avian conservation: Lessons learned on Integrating research into management actions</b><br><i>Moderators: Charles van Riper III</i><br><i>Speakers: James D. Nichols, Carena J. van Riper, William P. Stewart</i>            | Presidio V   |
| 1:30pm – 2:00pm   | M | <b>Seeking the Knowledge-Action Boundary: Decision Analysis for Collaborative Conservation</b><br><i>Moderators: James E. Lyons</i>  | Presidio II  |
| 1:45pm – 2:00pm   | O | <b>Conservation Planning Under Uncertainty: An Interactive Decision Support Tool for Least Bell's Vireo Management</b><br><i>Moderators: Jessica C Stanton</i><br><i>Speakers: Allison Alvarado, Linnea Hall, Barbara Kus, Jenny Marek, Eric Morrissette</i>         | Coronado I   |
| 1:45pm – 2:00pm   | O | <b>Effects of supplemental feeding on gut microbiota and parasite resistance in Eastern Bluebirds</b><br><i>Moderators: Sarah A. Knutie</i>  | Coronado II  |
| 1:45pm – 2:00pm   | O | <b>Scarlet Macaw breeding ecology and behavior in Tambopata Peru</b><br><i>Moderators: Gabriela None Vigo Trauco</i><br><i>Speakers: Donald J Brightsmith</i>  | Agave II-III |

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|-----------------|---|--|--------------|
| 1:45pm – 2:00pm | O | <b>Subfossil evidence for a recent hybrid origin of the endangered, endemic Hawaiian koloa maoli (<i>Anas wyvilliana</i>)</b>              | Presidio I   |
|                 |   | <i>Moderators: Caitlin P Wells</i><br><i>Speakers: Megan Dattoria, Helen James, Philip Lavretsky, Megan Spitzer</i>                        |              |
| 1:45pm – 2:00pm | M | <b>Maintaining critical habitat for birds at the Salton Sea</b>  | Presidio V   |
|                 |   | <i>Moderators: Andrea L Jones</i><br><i>Speakers: Daniel S. Cooper, Katie Krieger, Leonardo Salas, W. David Shuford</i>                    |              |
| 2:00pm – 2:15pm | O | <b>Cold and safe versus warm and risky: nesting decisions in an alpine songbird</b>  | Agave II-III |
|                 |   | <i>Moderators: Devin R de Zwaan</i><br><i>Speakers: Kathy Martin</i>   |              |
| 2:00pm – 2:15pm | O | <b>Evaluating extinction probabilities and recovery strategies for Maui Parrot Bill</b>  | Coronado I   |
|                 |   | <i>Moderators: Conor McGowan</i><br><i>Speakers: James Groombridge, Hanna L. Mounce, Eben Paxton, Christopher Warren</i>                   |              |
| 2:00pm – 2:15pm | O | <b>Trends in carotenoid-consistent coloration across non-passerine birds</b>   | Presidio I   |
|                 |   | <i>Moderators: Sarah N Davis</i><br><i>Speakers: Julia A Clarke</i>  |              |
| 2:00pm – 2:15pm | O | <b>Variation in malarial prevalence and diversity in thrush congeners along a latitudinal gradient of the Appalachian Highlands</b>        | Coronado II  |
|                 |   | <i>Moderators: Naima C Starkloff</i><br><i>Speakers: Andrew W. Jones, Jeremy K Kirchman, Wendy C Turner, Benjamin M. Winger</i>            |              |
| 2:00pm – 2:15pm | M | <b>Building an ecological atlas: from spatial data to conservation across dynamic Arctic seas</b>  | Presidio V   |
|                 |   | <i>Moderators: Melanie A Smith</i><br><i>Speakers: Max S Goldman, Erika J Knight, Benjamin K Sullender</i>                                 |              |
| 2:00pm – 2:15pm | M | <b>Challenges to Coordinated Monitoring in the Face of Gulf of Mexico Restoration</b>  | Presidio II  |
|                 |   | <i>Moderators: Randy R Wilson</i><br><i>Speakers: Greg Steyer, John Tirpak</i>   |              |
| 2:15pm – 2:30pm | O | <b>Evolutionary conflict</b>   | Presidio I   |
|                 |   | <i>Moderators: David C. Queller</i><br><i>Speakers: Joan E. Strassmann</i>   |              |
| 2:15pm – 2:30pm | O | <b>Patterns of <i>Borrelia burgdorferi</i> prevalence in Northern Illinois birds</b>   | Coronado II  |
|                 |   | <i>Moderators: James S Marshall</i><br><i>Speakers: Sean M Beckmann, Cassidy Hanson</i>  |              |
| 2:15pm – 2:30pm | O | <b>Pinyon Jay (<i>Gymnorhinus cyanocephalus</i>) Movements, Habitat Use, and Satellite Colonies in the Manzanita Mountains, New Mexico</b> | Agave II-III |
|                 |   | <i>Moderators: Michael C Novak</i><br><i>Speakers: Jonathan P. Harris, Scott T McMurry, Loren M Smith</i>                                  |              |
| 2:15pm – 2:30pm | O | <b>Survival, site persistence, and movement dynamics of a non-territorial Neotropical migrant during the nonbreeding period</b>            | Coronado I   |
|                 |   | <i>Moderators: Elizabeth Marie Ames</i><br><i>Speakers: Lesley Bulluck, Chris Tonra</i>  |              |
| 2:15pm – 2:30pm | M | <b>Developing actionable science for multiple-use lands: from landscapes to sage-grouse in the Bureau of Land Management</b>               | Presidio V   |
|                 |   | <i>Moderators: Sarah K Carter</i><br><i>Speakers: Zachary H Bowen, Natasha B Carr, Travis Haby, Kevin H Miller</i>                         |              |
| 2:15pm – 2:45pm | M | <b>Guiding Coordinated Bird Monitoring Decisions Through Structured Decision Making</b>  | Presidio II  |
|                 |   | <i>Moderators: Auriel M.V. Fournier</i><br><i>Speakers: Evan Adams, Janell Brush, Robert Cooper, Steve DeMaso, James Lyons</i>             |              |
| 2:30pm – 2:45pm | O | <b>A novel virus associated with beak deformities in wild birds</b>  | Coronado II  |
|                 |   | <i>Moderators: Caroline Van Hemert</i><br><i>Speakers: Joseph L. DeRisi, Colleen M. Handel, Lisa M. Pajot, Maxine Zylberberg</i>           |              |



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| 2:30pm – 2:45pm | O | <b>Intraspecific Niche Breadth, but Not Position, is Constant across a Species Range</b><br><i>Moderators: Katharine Johanna Ruskin</i><br><i>Speakers: Alyssa C Borowske, Jonathan B Cohen, Chris S. Elphick, Christopher R Field, Thomas P Hodgman</i>                         | Agave II-III    |
| 2:30pm – 2:45pm | O | <b>Response of a native Hawaiian bird to the removal of an invasive predator in a mesic, montane forest</b><br><i>Moderators: Paul C Banko</i><br><i>Speakers: Kelly A Jaenecke, Robert W Peck</i>   | Coronado I      |
| 2:30pm – 2:45pm | O | <b>The skull and brain in birds and their relatives reveal a deep evolutionary and developmental relationship</b><br><i>Moderators: Michael D. Hanson</i><br><i>Speakers: Bhart-Anjan S. Bhullar, Matteo Fabbri, Nicolás Mongiardino Koch, Mark A. Norell, Adam C. Pritchard</i> | Presidio I      |
| 2:30pm – 2:45pm | M | <b>Community-based bird monitoring in biodiversity hotspots: integrating conservation, research, education, capacity building, and incomes</b><br><i>Moderators: Cagan H. Sekercioglu</i>  | Presidio V      |
| 2:45pm – 3:00pm | O | <b>Divergent selection and drift shape the genomes of two avian sister species spanning a saline-freshwater ecotone</b><br><i>Moderators: Gemma V Clucas</i><br><i>Speakers: Adrienne Kovach, Matthew MacManes, Jennifer Walsh</i>   | Presidio I      |
| 2:45pm – 3:00pm | O | <b>Effect of Coinfection of Plasmodium and Mycoplasma Gallisepticum in House Finches</b><br><i>Speakers: Andre Dhondt</i>  | Coronado II     |
| 2:45pm – 3:00pm | O | <b>Habitat specific abundance and occupancy dynamics of a non-territorial overwintering songbird in Panama and Colombia</b><br><i>Moderators: Lesley P Bulluck</i><br><i>Speakers: Elizabeth Ames, Nick Bayly, Chris Tonra, Cathy Viverette</i>                                  | Coronado I      |
| 2:45pm – 3:00pm | O | <b>White-headed Woodpecker (Picoides albolarvatus) habitat selection and nest survival: a multi-scale analysis</b><br><i>Moderators: Kathryn L. Purcell</i><br><i>Speakers: James Baldwin, Eric McGregor</i>   | Agave II-III    |
| 2:45pm – 3:00pm | M | <b>Gulf of Mexico Marine Assessment Program for Protected Species (GoMMAPPS): a Nexus to Regulatory Decision-Making</b><br><i>Moderators: Jeffrey S Gleason</i><br><i>Speakers: Patrick G. R. Jodice, James E. Lyons, Emily D Silverman, Randy R Wilson, Elise F Zipkin</i>      | Presidio II     |
| 2:45pm – 3:00pm | M | <b>Putting the Right Habitat, in the Right Places, at the Right Time: The Integrated Waterbird Management and Monitoring Initiative</b><br><i>Moderators: Patricia J. Heglund</i><br><i>Speakers: Brian Loges, Jana Newman</i>   | Presidio V      |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Turquoise Foyer |
| 3:00pm – 3:30pm | C | <b>Coffee Break</b><br><i>Sponsors: Allegro Coffee</i>   | Presideo Foyer  |
| 3:30pm – 3:45pm | O | <b>Conservation of Sick's Swifts (Chaetura meridionalis) in Southern Brazil: a successful citizen science initiative</b><br><i>Moderators: Renata N Biancalana</i>   | Coronado II     |
| 3:30pm – 3:45pm | O | <b>Gray-cheeked Thrush decline in Newfoundland: associations with habitat, forestry practices, and the introduction of red squirrels</b><br><i>Moderators: Jenna PB McDermott</i><br><i>Speakers: Ian G Warkentin, Darroch M Whitaker</i>  | Coronado I      |
| 3:30pm – 3:45pm | O | <b>Threatened birds, dynamic habitats and disturbance processes: conservation ecology in one of the worlds most understudied savanna ecosystems</b><br><i>Moderators: Jo Kingsbury</i><br><i>Speakers: G. Matt Davies, Ross Macleod, Chris Tonra</i>                             | Presidio I      |
| 3:30pm – 3:45pm | O | <b>When Goshawks Attack!: A Comparison of Nest Defense Behaviors in Oulu, Finland and the Little Belts, Montana</b><br><i>Moderators: Marilyn E Wright</i><br><i>Speakers: Nate A Bickford, Risto Tornberg</i>   | Agave II-III    |

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| 3:30pm – 3:45pm  | M | <b>Application of monitoring Best Management Practices to marsh restoration priorities to reduce uncertainty of marsh birds response</b><br><i>Moderators: Mark S. Woodrey</i><br><i>Speakers: Auriel, Robert J Cooper, Kristine O. Evans, M.V. Fournier, Ray B. Iglay, Scott A. Rush</i> | Presidio II    |
| 3:30pm – 3:45pm  | M | <b>Modeling transitory habitat in a dynamic agricultural landscape for the Streaked Horned Lark</b><br><i>Moderators: Christopher M Hamilton</i><br><i>Speakers: Brooke L Bateman</i>   | Presidio V     |
| 3:45pm – 4:00pm  | O | <b>A community-based approach to conserving the island-endemic Calayan Rail</b><br><i>Moderators: Cynthia Adeline Layusa</i><br><i>Speakers: Albert G. Guimayen, Carl H Oliveros, Jameson B. Reynon</i>   | Coronado II    |
| 3:45pm – 4:00pm  | O | <b>Disturbance along a watershed in Belize maintains high species diversity in the bird community</b><br><i>Moderators: James A. Rotenberg</i><br><i>Speakers: William Garcia, Jacob A Marlin, Liberato Pop</i>   | Presidio I     |
| 3:45pm – 4:00pm  | O | <b>Evaluation of Southwestern Willow Flycatcher Breeding Records Along Southern Range Boundary</b><br><i>Moderators: Glenn E Johnson</i><br><i>Speakers: Charles vanRiper III</i>   | Coronado I     |
| 3:45pm – 4:00pm  | O | <b>Manipulating badges of status only fools strangers</b><br><i>Moderators: Theadora A Block</i><br><i>Speakers: Alexis S Chaine, Bruce E Lyon, Daizaburo Shizuka, Lynn Zhang</i>   | Agave II-III   |
| 3:45pm – 4:00pm  | M | <b>Optimizing conservation of Hawaiian forest birds into an uncertain future</b><br><i>Moderators: Eben H Paxton</i>  | Presidio V     |
| 3:45pm – 4:00pm  | M | <b>Understanding habitat use and management efforts to conserve migratory landbirds along the northern Gulf of Mexico coast</b><br><i>Moderators: Theodore J Zenzal</i><br><i>Speakers: Wylie C. Barrow, Jeffrey J Buler, Frank R. Moore, Barry C. Wilson</i>                             | Presidio II    |
| 4:00pm – 4:15pm  | O | <b>Autumn social familiarity preferences predict reproductive output in Brown-headed Cowbirds (<i>Molothrus ater</i>)</b><br><i>Moderators: GREGORY M KOHN</i>  | Agave II-III   |
| 4:00pm – 4:15pm  | O | <b>Call of the Wild: Using Natural Sounds Recordings to Give Voice to Avian Conservation</b><br><i>Moderators: Jacob R Job</i>  | Coronado II    |
| 4:00pm – 4:15pm  | O | <b>Dealing with drought in the rainforest</b><br><i>Moderators: Elise Toyoko Nishikawa</i><br><i>Speakers: Jeffrey D Brawn</i>  | Presidio I     |
| 4:00pm – 4:15pm  | M | <b>Turning Western Yellow-billed Cuckoo (<i>Coccyzus americanus</i>) Surveys Into Conservation Action</b><br><i>Moderators: Steven S Prager</i><br><i>Speakers: Jennie MacFarland, Vashti Supplee</i>   | Presidio V     |
| 4:00pm – 4:15pm  | M | <b>Using monitoring to reduce uncertainty in identifying key ecological drivers of populations - examples from the Everglades</b><br><i>Moderators: Peter C. Frederick</i>  | Presidio II    |
| 4:15pm – 4:30pm  | O | <b>Relationship of conservation practices to priority grassland bird occupancy in the Central Hardwoods Bird Conservation Region</b><br><i>Moderators: Christopher M Lituma</i><br><i>Speakers: David A Buehler, Cara J Joos</i>  | Coronado I     |
| 4:15pm – 4:30pm  | M | <b>Using a structured decision making framework to support large-scale inference</b><br><i>Speakers: Evan M. Adams, Auriel M.V. Fournier, James E. Lyons, Mark S. Woodrey</i>   | Presidio II    |
| 4:15pm – 5:00pm  | M | <b>DISCUSSION</b>   | Presidio V     |
| 4:30pm – 5:00pm  | M | <b>DISCUSSION</b>   | Presidio II    |
| 5:30pm – 8:00pm  | T | <b>Closing Banquet</b>  | Turquoise I-II |
| 8:00pm – 10:00pm | T | <b>Bird Jam</b>   | Turquoise III  |

AOS 2018 Annual Conference

**F** Field Trip

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**APRIL 15 • SUNDAY**

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|-----------------|---|---|-----------------------------|
| 6:00am – 3:00pm | F | <b>Madera Canyon- Requires Pre-Registration</b><br><i>Volunteers: Melody Kehl</i>                               | Presidio Registration Foyer |
| 6:00am – 3:00pm | F | <b>Santa Cruz Valley Loop- Requires Pre-Registration</b><br><i>Volunteers: Jeff Babson</i>                      | Presidio Registration Foyer |
| 6:00am – 4:00pm | F | <b>Huachuca Mountains- Requires Pre-Registration</b><br><i>Volunteers: Ken Blankenship &amp; Chris Chappell</i> | Presidio Registration Foyer |

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