

Wednesday, Morning Session

*indicates student presenters eligible for AOS presentation award

| Room | Atwood Hall | Cook Hall | Summit 1 | Summit 2 | Summit 3 | Summit 4 |
|-------------|---|---|--|--|---|---|
| Session | Symposium Understanding and Addressing the Collapse of the North American Avifauna (Marra & Rosenberg) S1 | Symposium Breaking Through Biases: What We’ve Learned from Female Birds (Odom & Bennett) S2 | Phylogenetics & Phylogeography S3 | Songs & Vocalizations S4 | Biogeography S5 | Birds & Agriculture S6 |
| 1030 | Evidence for Massive Decline in the North American Avifauna <i>Rosenberg KV, Dokter AM, Blancher PJ, Sauer JR, Smith AC, Smith PA, Stanton JC, Panjabi AO, Helft L, Parr M</i> | Extra-Pair Copulations in Passerines: Why Females Matter <i>Stutchbury BJ</i> | *Evolution of Migration in the Nightingale-Thrushes (Turdidae: Catharus) Inferred via Morphometric and Phylogenetic Analysis <i>Halley MR, Klicka J, Catanach TA, Weckstein JD</i> | It’s the Same Old Song: Benefits of Song Dialects in the Lapland Longspur <i>Montgomerie RD, Cox A, Mullie A</i> | Montane Biogeography and the Evolution of Disjunct Ranges: a Case Study in the Diglossa Flowerpiercers <i>Hiller AE, Brumfield RT, Faircloth BC</i> | *GPS-Tracking Reveals Selection for Prairie Ponds by Tree Swallows in Cropland-Dominated Landscapes <i>Elgin AS, Morrissey CA, Clark RG</i> |
| 1045 | Decline and Survival of North America’s Migratory Avifauna Determined by a Weather Radar Network <i>Dokter AM</i> | Female Bird Songs -- The Other Half of the Conversation <i>Benedict L, Hathcock TJ, Najar N, Mitchell L, Cavar J, Logue D</i> | Contrasting Drivers of Diversity and Turnover in Andean Birds and Their Parasites <i>McNew SM, Barrow LN, Bates JM, DuBay SG, Galen SC, Hackett SJ, Johnson AB, Skeen HR, Valqui T, Jason WD, Williamson JL, Witt CC</i> | Behavioral Landscape of ‘Oma’o Vocalizations in a Naturally Fragmented Habitat <i>Netoskie EC, Paxton KL, Paxton EH, Hart PJ</i> | Cryptic Bird Species on a Remote Archipelago of the Pacific Ocean <i>Cibois A, Thibault J, Friedman NR, Omland KE, Desutter-Grandcolas L, Robillard T, Pasquet E</i> | *Impact of Wildfires on Barn Owl Habitat Selection in a Vineyard Agroecosystem in Napa Valley <i>Huysman AE, Johnson M</i> |
| 1100 | Grassland Bird Declines: How Can We Stop the Downward Spiral? <i>Panjabi AO, Correll M, Strasser EH, Bernath-Plaisted J, Beh A, VerCauteren TL</i> | Female Preferences Shape Elaborate Male Displays and Social Skills on the Lek <i>Patricelli GL</i> | Fine-Scale Genetic Population Structure of an Understory Bird (Thamnophilus atrinucha) Across the Panama Canal Zone <i>Maddox JD, Kelley JP, Tarwater CE</i> | *Behavioral and Spectrographic Analysis of Chatter: A Novel Vocalization in Northern Mockingbirds <i>Brown BB, Stracey CM</i> | Climate Delineates the Northern Range Boundary of the Northern Cardinal <i>Miller CR, Porter WP, Fitzpatrick MJ, Zuckerberg B</i> | Does a “Sonic Net” Protect Sunflower from Damage by Blackbirds? <i>Werrell AK, Klug PE, Swaddle JP</i> |
| 1115 | Volunteer-Led Surveys Document 40-Years of Shorebird Declines Across North America <i>Smith PA, Smith AC, Brown S, Friis C, Paquet J, Winn B, MacDonald A</i> | Habitat Saturation Drives the Frequency of a Rare Behavior in the Females of a Social Bird <i>Barve SS, Koenig WD, Haydock J, Walters EL</i> | Multiple Hybrid Zones in a Widespread Amazonian Bird Reveal Different Evolutionary Processes <i>Moncrieff AE, Brumfield RT</i> | *Repertoire Size and Individual Variation in Vocalizations of ‘ōma’o (Myadestes obscurus) an Endemic Hawaiian Thrush <i>Tysall EE, Paxton KL, Netoskie EC, Paxton EH, Hart PJ</i> | Diversification and Biogeography in an Indo-Pacific Bird Radiation (Pachycephalidae) <i>Brady SS, Joseph LG, Moyle RG, Andersen MJ</i> | Quantifying Multiple-Benefits of Bird Conservation in the Agricultural Mosaic of California’s Central Valley <i>Seavy NE, Humple D</i> |
| 1130 | American Seabirds: A Review of Status, Threats, and Conservation on Land and at Sea <i>Nevins HM, Goyert H, Keitt B, Wiedenfeld D</i> | Migratory Landbird Conservation Compromised by Failure to Address Sexual Segregation <i>Bennett RE, Rodewald AD, Rosenberg KV</i> | Comparative Phylogeography of Amazonian Riverine Island Birds <i>Johnson O, Brumfield RT</i> | Deep Convolutional Neural Network to Detect Forest Owls of the Pacific Northwest <i>Lesmeister DB, Ruff ZJ, Sullivan CM</i> | *Patterns and Mechanisms of Heterogeneous Breeding Distribution Shifts in North American Migratory Birds <i>McCaslin HM, Heath JA</i> | Estimating the Effect of Prairie Strips on Grassland Birds <i>Giese JC, Schulte LA, Klaver RW</i> |
| 1145 | Songbirds of the Sagebrush Sea: Declines and Mechanisms <i>Chalfoun AD, Sanders L, Scherr T, Hethcoat M</i> | Elaborate Female Coloration and Song: Diverse Perspectives Lead to a More Comprehensive Understanding of Avian Biology <i>Omland KE, Rose EM, Haines CD</i> | Resolving Difficult Nodes in Manakin Phylogeny Using Low-Coverage Whole Genome Sequencing <i>Braun EL, White ND, Kimball RT, Moncrieff AE, Zhao M, Kurtis SM, Brumfield RT</i> | *Sex and Species Divergence in Vocalizations Between Role-Reversed Shorebirds, Jacana spinosa and Jacana jacana <i>Buck EJ, Lipshutz SE, Derryberry EP</i> | Is Specialism an Evolutionary Dead-End? Estimates of Transition Rates Between Generalism and Specialism in a New World Clade <i>Conway M, Olsen BJ</i> | Comparing Land-Sparing and Land-Sharing Conservation Approaches in a Coffee-Growing Region with High Avian Biodiversity <i>Valente JJ, Ryder TB, Rice RA, Gómez C, Bayly NJ, Sillett TS, Marra PP</i> |
| LUNCH BREAK | | | | | | |

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| Session | Symposium Understanding and Addressing the Collapse of the North American Avifauna (Marra & Rosenberg) S13 | Symposium Conservation and Management of Boreal Birds in a Changing Climate: What Do We Expect, What Have We Observed, and What Do We Do About It? (Stralberg et al.) S14 | Phylogeography S15 | Symposium Species Limits in Birds: Integrative and Practical Considerations for Taxonomy (Winker & Rasmussen) S16 | Climate S17 | Breeding Biology S18 |
| 1400 | Conservation of Boreal Birds: Status, Trends, and Data Gaps <i>Toms JD, Solymos P, Stralberg D, Barker NK, Micheletti T, Leston L, Hache S, Cumming S, Song S, Schmiegelow F</i> | Model-Based Vulnerability Assessment of Boreal Birds in a Changing Climate <i>Bateman BL, Wu JX, Wilsey CB, Taylor L, LeBaron G, Langham GM</i> | Genomic Signatures of Pleistocene Dry Forest Connections in a Widespread South American Songbird <i>Corbett EC, Bravo GA, Schunck F, Naka LN, Silveira LF, Edwards SV</i> | Integrative Approaches to Species Delimitation in Birds <i>Cicero C, Mason NA, Jimenez RA, Wait DR, Wang-Claypool CY, Bowie RC</i> | Alternate Migration Strategies Mediate the Effects of Stochastic and Predictable Climatic Changes on Migratory Birds <i>Senner NR, Linscott JA, Rakhimberdiev E, Douglas DC</i> | Can Nest Concealment in Wood Thrushes Predict Reproductive Success? <i>Israel AM, Stutchbury BJ</i> |
| 1415 | Waterfowl in North America: A Successful Story of Partner-Based Conservation and Regulated Harvest <i>Brasher MG, Moorman TE</i> | Ecological Niche Modeling and Potential Implications for Alaskan Birds Under 2 °C Warming <i>Wu JX, Bateman BL, Wilsey CB, Taylor L, Langham GM</i> | Using Ancient DNA from Fossils to Place an Extinct Flightless Bird Genus in a Phylogenetic Context <i>Oswald JA, Allen JM, Folk R, Stucky B, Steadman DW, Guralnick R</i> | Revisionist History - Towards Comparable Species Across Avian Taxonomy <i>Bates JM, Reddy S</i> | Climate, Storm-Petrels, and Chick Growth <i>Mauck RA, Huntington CE, Haussmann MF, Dearborn DC, Ricklefs RE</i> | Nest Survival, Predator Assemblage, and Patterns of Predation at Veery (Catharus Fuscescens) Nests in a Mature Forest <i>Goguen CB, Murray LD</i> |
| 1430 | Contrasting Regional and Range-Wide Trends Inform Causes of Decline: Case Study with the Red-Cockaded Woodpecker and Associated Pineland Birds <i>Walters JR, Rosenberg KV, Sauer JR</i> | Detecting Shifts in the Phenology and Distribution of Bird Assemblages on the Kenai Peninsula, Alaska in a Changing Climate <i>Magness DR, Eskelin T</i> | Comparative Phylogeography of Four Lowland Forest Birds Distributed Across the Dahomey Gap of West Africa <i>Huntley JW, Sweet P, Hibbitts T, Arame H, Adite A</i> | Genoscapes & Species Limits - Lessons from the Last 5 Years <i>Ruegg KC, Smith T, Bossu C, Rajbandary J</i> | *Contrasting Demographic Responses of Eastern Bluebird Populations to Climatic Variability <i>Harrod SE, Rolland V</i> | *Viewing Habitat Through Another Lens: Bird Nest-Site Selection and Productivity Across the Beach Thermal Landscape <i>Schaale LE, Baxley JB, Pricope NG, Danner RM</i> |
| 1445 | State of Population Trend Monitoring for North American Birds <i>Michel NL, Smith AC, Hudson MR, Sauer J</i> | Present and Future Distribution and Abundance of Aerial Insectivores in the Northwest Using Climate and Landcover <i>Stehelin TE, Schmiegelow FK</i> | *Comparative Genomics Reveal Modes of Differentiation in North American Warm Desert Birds <i>Provost KL, Shue S, Forcellati M, Smith BT</i> | The Utility and Significance of Population Genomic Data in Assessing Avian Species Limits <i>Sorenson MD</i> | Climate Warming Reduces Population Growth and Recruitment Rates Over 30 Years in an Afrotropical Bird Community <i>Neate-Clegg MH, Stanley TR, Sekercioglu CH, Newmark WD</i> | *Egg Laying Behavior by Burrowing Owls Along a Latitudinal Gradient <i>Lundblad CG, Conway CJ</i> |
| 1500 | Are Declines in Migratory Bird Species More Closely Associated with Breeding or Wintering Locations? <i>Sauer JR, Rosenberg KV, Marra PP, Link WA</i> | Conservation of Kirtland's Warbler in a Changing World <i>Ribic CA, Brown DJ, Donner DM, Bocetti CI</i> | *The Genetics of Adaptation and Diversification of the "Great Speciators" - The Wallacean Zosterops <i>Bloch LM, Irham M, Haryoko T, Claypool-Wang C, McGuire JA, Rowe K, Bowie RC</i> | The Past and Future of 'benchmark' Systems for Delimiting Bird Species <i>Tobias JA</i> | Climate Change Threatens a Songbird Population Through Its Impacts on Breeding <i>Bonnot TW, Cox WA, Thompson FR, Millspaugh JJ</i> | Macroevolutionary Dynamics of Egg Colour and Patterning <i>Sheard CE, Street SE, Troisi C, Clark A, Healy SD, Laland KN</i> |
| 1515 | Addressing Population Declines with Full Annual Cycle Models: Current Advances and Data Needs <i>Joos CJ, Rushing CS</i> | The Influence of Climatic Dipoles on Irruption Dynamics in a Warming World <i>Zuckerberg B, Strong C, LaMontagne J</i> | Testing the Causes of Speciation with Gene Flow in a Neotropical Avian Species Pair (Pachyramphus Aglaiae) <i>Musher LJ, Galante P, Blair M, Huntley J, Thom G</i> | Endless Forms Less Beautiful: Relevance of Morphological Analyses to Integrative Taxonomy of Asian Prinia Species Complexes <i>Rasmussen PC, Alstrom P, Olsson U</i> | | *To Kill a Mockingbird: The Combined Effects of Two Radically Different Parasites <i>Herman JM, Fiorini VD, Crudele I, Reboreda JC, Pladas SA, Bush SE, Clayton DH</i> |

COFFEE BREAK

Wednesday, Early Afternoon Session

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| Room | Summit 5 | Summit 6 | Summit 7/8 | Summit 9/10 | Summit 11/12 | Summit 13/14 |
|---------|---|--|--|---|---|---|
| Session | Symposium Biodiversity Mediated Trade-offs in Agroecosystems: When Do Birds Help or Hurt Farmers? (Pejchar & Kennedy) S19 | Evolution S20 | Conservation S21 | Migration & Stopover S22 | Symposium Social Dynamics in Interspecific Interactions (Johnson & Shizuka) S23 | Symposium Avian Biology and the Annual Life Cycle: Shorebirds as Models to Understand Dynamic Boundaries (Gurney & Ruthrauff) S24 |
| 1400 | Net Effects of Birds in Agroecosystems <i>Pejchar L, Clough Y, Ekroos J, Nicholas K, Olsson O, Ram D, Tschumi M, Smith H</i> | *A Tale of Two Transects: Sexual Selection Across a Hummingbird Hybrid Zone <i>Myers BM, Rankin DT, Brelsford A, Burns KJ, Clark CJ</i> | Extinction Debt and Species Credit in Tropical Forest Bird Communities: Conservation Implications for Two Biodiversity Hotspots <i>Newmark WD</i> | *A Range-Wide Geolocator Project Fills Critical Knowledge Gaps of Our Understanding of the Full Annual Cycle of Cerulean Warblers <i>Raybuck DW, Buehler DA, Boves TJ, Larkin JL, Stoleson SH, Bulluck LP, George GA, Kearns LJ, Slankard KG, Petzinger S, Cox JJ, Mylecraine KA</i> | Heterospecific Sociality: How Cooperation, Competition, and Communication Across Species Shape Avian Behavior <i>Johnson AE</i> | Can Stable Isotopes Help Identify Links Between Wintering, Migration, and Breeding Areas of Semipalmated Sandpiper? <i>Gurney KE, Mizrahi DS, Alisauskas RT</i> |
| 1415 | Strategies for Navigating Trade-Offs Between Avian-Mediated Services and Disservices Affecting Food Production and Safety <i>Kennedy CM, Latimer CE, Smith OM, Taylor JM, Owen JP, Rankin E, Snyder WE</i> | Cultural Evolution Promotes Rapid Character Displacement in Sympatric Crossbills <i>Porter CK, Benkman CW</i> | *Cross-Scale Interaction Effects of Climate and Forest Patch Size on the Persistence of Forest-Interior Birds <i>Chaudhary A, Gutzwiller KJ</i> | Phenology of the Purple Martin Annual Cycle <i>Kelly JF, Horton KG, Stepanian P</i> | Learning to Join the Information Web <i>Magrath RD, Ratnayake C, Radford A, McLachlan J, Igic B, Potvin D</i> | Migratory Dynamics of Beringian Dunlin on the East Asian-Australasian Flyway <i>Lancot RB, Lagasse BJ, Yezerinac S, Brown S, Kendall S, Latty C, Liebezeit J, McGuire RL, Robards M, Saalfeld ST, Slaght J, Wunder M</i> |
| 1430 | Trade-Offs Between Ecosystem Services and Disservices Provided by Birds Covary with Agricultural Intensification in the US <i>Latimer CE, Smith OM, Owen J, Snyder W, Kennedy CM</i> | The Relative Roles of Natural Selection and Sexual Selection in Speciation in the Tanagers <i>Price-Waldman RM, Demery AJ, Mason NA, Shultz AJ, Title PO, Burns KJ</i> | *Experimental Forest Fragmentation Alters Interaction Networks of Amazonian Mixed-Species Flocks <i>Rutt CL, Mokross K, Stouffer PC</i> | Conservation Implications of a Migratory Network for the Common Nighthawk <i>Knight EC, Harrison A, Scarpignato AL, Van Wilgenburg SL, Bayne EM, Marra PP</i> | | Movement Patterns of Arctic-Breeding Shorebirds During Post-Breeding and Southbound Migration <i>Saalfeld ST, Lancot RB, Brown S, Lamarre J, McGuire R, Ruthrauff D, Elliot K, Latty C</i> |
| 1445 | *Understanding Food Safety Risks Associated with Wild Birds: a Meta-Analysis and Conceptual Framework <i>Smith OM, Owen JP</i> | Pleistocene Glacial Cycles and the Relative Ease of Speciation with Periodic Gene Flow <i>Linck EB, Battey C</i> | Forest Management, Habitat Conservation and Monitoring Northern Goshawks in Southeast Alaska <i>Titus K</i> | Conservation in the Context of Migratory Connectivity: A Golden-Winged Warbler Case Study <i>Roth AM, Buckardt Thomas A</i> | Sister, Sister: Song Recognition and the Role of Early Experience in Sympatric Zonotrichia <i>Hudson EJ, Shizuka D</i> | Migratory Connectivity of a Declining Boreal Shorebird, the Lesser Yellowlegs <i>Christie KS, McDuffie L, Johnson JA, Taylor A</i> |
| 1500 | Managing Wild Birds for Strawberry Production, Pest Control, and Food Safety Outcomes in the California Central Coast <i>Olimpi EM, Garcia K, Gonthier D, Karp DS</i> | Early Stage of the Speciation Process: Two Coloration Genes Underlie Species Differences in a Pair of Capuchino Seedeaters (Sporophila) <i>Estalles MC, Campagna L, Rodriguez Cajarville MJ, Tubaro PL, Lovette I, Lijmaer DA</i> | *Grassland Bird Response to Spring Cover Crops in an Agricultural Landscape <i>Godar AJ, Annis A, Haukos D, Prendergast J</i> | Migratory Pathways, Stopover Locations, and Wintering Destinations of Flammulated Owls Breeding in Colorado <i>Linkhart BD, Yanco SW, Fox JW</i> | Identifying Functional Roles in Mixed-Species Groups <i>Vander Meiden LN, Shizuka D</i> | Stopover Ecology of Semipalmated Sandpipers in Maritime Canada <i>Hamilton DJ, Bliss S, Geldart E, Linhart R, Neima SG, Paquet J, Gratto-Trevor CL</i> |
| 1515 | Birds in Fruit Production Systems: Contexts, Outcomes, Costs, and Benefits <i>Lindell CA</i> | Signal Evolution and Morphological Complexity in Hummingbirds (Aves: Trochilidae) <i>Eliason CM, Maia R, Parra JL, Shawkey MD</i> | Using Remote Sensing of Avian Habitat to Direct Bird Conservation <i>Bonfield SB, Schimel D, Stavros N, Questad E, Schneider F, Ferraz A</i> | Full Annual Cycle Ecology of Migratory Birds in the Lower Great Lakes <i>Tonra CM</i> | Loss of a Keystone Informant Disrupts Information Cascades among Ant-Following Birds in a Tropical Forest Fragment <i>Pollock HS, Martinez AE, Kelley JP, Touchton JM, Tarwater CE</i> | Connectivity and Staging Site Pollution Effects in a Long-Distance Migratory Shorebird <i>Morrissey CA, Bianchini K, McKellar A, Newstead D</i> |

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1730 – 1830 EARLY PROFESSIONAL SYMPOSIUM COOK THEATRE

| Room | Summit 5 | Summit 6 | Summit 7/8 | Summit 9/10 | Summit 11/12 | Summit 13/14 |
|---------|--|---|--|--|--|--|
| Session | Symposium Biodiversity Mediated Trade-offs in Agroecosystems: When Do Birds Help or Hurt Farmers? (Pejchar & Kennedy) S31 | Life History & Behavior S32 | Conservation S33 | Migration & Stopover S34 | Symposium Social Dynamics in Interspecific Interactions (Johnson & Shizuka) S35 | Symposium Avian Biology and the Annual Life Cycle: Shorebirds as Models to Understand Dynamic Boundaries (Gurney & Ruthrauff) S36 |
| 1600 | Predation-Mediated Ecosystem Services and Disservices in Agricultural Landscapes <i>Smith HG, Tschumi M, Birkhofer K, Ekroos J, Hjort C</i> | *Evolution of Polygyny in Weaverbirds (Family Ploceidae) <i>De Silva TN, Fernando SW, Peterson AT</i> | *Fear of Predators Influences Nestling Condition Across a Suburbanization Gradient <i>Grade AM, Warren PS, Lerman SB</i> | Satellite Tracking a Wide-Ranging Endangered Vulture Species to Target Conservation Actions in the Middle East and East Africa <i>Buechley ER, McGrady MJ, Coban E, Sekercioglu CH</i> | Effects of Non-Breeding Foraging on Mixed-Species Flocking in Florida <i>Jones HH, Walters MJ, Robinson SK</i> | How Can Habitat Degradation Push Extreme Migrants Over the Edge? <i>Chan Y, Tibbitts TL, Hassell CJ, Peng H, Piersma T</i> |
| 1615 | Insectivorous Birds Foraging in Temperate and Tropical Agricultural Lands <i>Jedlicka JA</i> | *Patterns and Causes of Tropical Montane Life Histories: An Observational and Experimental Study in Malaysian Borneo <i>Mitchell AE, Martin TE</i> | *Testing the Proposed IUCN Green List Categories and Criteria <i>Gupta G, McGowan P, Dunn J, Sanderson R</i> | Synthesis of Migration Ecology in the Gulf of Mexico Guides Species Conservation <i>Deppe JL, Benson TJ, Bolis R, Buler J, Celis Murillo A, Diehl R, Feldman R, Knight E, Langham GM, Mehlman D, Michel N, Moore F</i> | Fighting Over Food Unites the Birds of North America in a Continental Dominance Hierarchy <i>Miller ET, Bonter DN, Eldermire C, Freeman BG, Greig EI, Harmon LJ, Lisle C, Hochachka WM</i> | *Traveling as a Newbie: Migratory Strategies Linked to Survivorship in Juvenile Shorebirds in Peru <i>Tavera EA, Lank DB, Drever MC, Gutierrez-Ruiz VV</i> |
| 1630 | Vertebrate Control from Raptors Motivates Farmers to Install Nest Boxes, but is Secondary Poisoning a Concern? <i>Martinico BL, Kross SM, Hull JM, Bourbour RP, Phillips EM, Hiroyasu E</i> | *Quantifying Trade-Offs in Migration and Reproduction in Long-Distance Migratory Birds of Contrasting Life History <i>Cunningham SA, Schafer TL, Wikle CK, Ballard BM, VonBank JA, Weegman MD</i> | Saving the Red Siskin (Spinus Cucullatus): Managing New Flock Member Introductions in Captivity <i>Hill SK</i> | Messy Eaters: DNA on Dirty Talons and Beaks Reveal What a Migrating Raptor Eats <i>Bourbour RP, Hull JM</i> | Interspecific Aggression and the Evolution of Avian Mimicry in Woodpeckers <i>Leighton GM, Miller ET, Freeman BG, Lees AC, Ligon RA</i> | Within-Individual Advancement in Bar-Tailed Godwit Departure from New Zealand Does Not Lead to Earlier Arrival in Alaska <i>Conklin JR, Lisovski S, Battley PF</i> |
| 1645 | Foraging Selectivity of Insectivorous Birds in Kenyan Shade Coffee Systems <i>Kammerichs-Berke D, Johnson M, Bean T</i> | Timing is of the Essence: Later Breeding Predicts Lower Survival in American Kestrels (Falco Sparverius) <i>Callery KR, Smallwood JA, Eschenbauch AL, Luttmann ER, Heath JA</i> | *Conservation of Tidal Marsh Sparrows in an Urban Setting Referencing Range Wide Nesting Occurrence <i>Kocek AR, Elphick CS, Hodgman TP, Kovach AI, Olsen BJ, Ruskin KJ, Shriver WG, Cohen JB</i> | Winter Ecology and Spring Migration Timing of Swainson's Thrush Using Forest and Shade Coffee Plantations in Colombia <i>Hobson KA, Gonzalez, Prieto AM, McElaney S, Bayly N</i> | Social Dominance Hierarchies among Species and Their Consequences for Behaviour, Ecology and Evolution <i>Martin PR</i> | Declines in Eastern Canada Piping Plovers: Are Overwintering Grounds the Key to Conservation? <i>Gratto-Trevor CL, Rock J, Shaffer F</i> |
| 1700 | Panel Discussion | *Loggers in Artificial Eggs Reveal Scarlet Macaw Incubation in Natural and Artificial Nests <i>Woodman CJ</i> | Integrating Genetic, Population Monitoring, and Climate Data to Inform Conservation of a Declining Migratory Bird <i>Saracco JF, Ruegg KC, Harrigan RJ, Taylor CM, Rubenstein M</i> | Population-Level Importance and Migratory Connectivity of a Shorebird Staging Site in the Midcontinental Flyway <i>Howell JE, McKellar AE, Espie RH, Bianchini K, Morrissey CA</i> | | Linking Demographic Rates to Population Trends in Six Species of Arctic-Breeding Shorebirds <i>Weiser EL, Sandercock BK, Lanciot RB, Brown SC</i> |
| 1715 | | Application of a Novel Nest Density Estimator: An Example Using Sagebrush-Steppe Songbirds <i>Reintsma KM, Berkeley LI, Dreitz VJ</i> | Response of a Southern California Riparian Bird Community to Habitat Destruction by the Invasive Kuroshio Shot Hole Borer <i>Kus BE</i> | Idiosyncratic Changes in Spring Arrival Dates of Pacific Northwest Migratory Birds <i>Robinson WD, Partipilo C, Hallman TA, Fairchild K, Fairchild J</i> | | Environmental Drivers of Annual Survival and Site Fidelity of Lekking Great Snipe in Norway <i>Sandercock BK, Saether SA, Kalas JA</i> |

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Thursday, Late Afternoon Session

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| Session | Genomics & Systematics S61 | Behavior S62 | Symposium Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff & Gill) S63 | Symposium Molecular Ecology is for the Birds: Using Molecular Techniques to Advance Our Understanding of Avian Ecology (Jusino & Lorenz) S64 | Conservation S65 | Migration & Stopover S66 |
| 1600 | Identifying and Characterizing Transposable Element Polymorphisms in the Northern Flicker (<i>Colaptes Auratus</i>) Species Complex <u>Hruska JP, Manthey JD</u> | *Provisioning Coordination Increases with Mate Familiarity in a Long-Lived Pelagic Seabird, the Manx Shearwater <u>Tyson CW, Gillies N, Guilford T, Hull JM</u> | Migratory Patterns of Sooty Shearwaters (<i>Ardenna Grisea</i>) Across the Pacific Ocean <u>Shaffer SA, Harrison A</u> | Detecting Ecosystem Services from Insectivorous Birds <u>Jedlicka JA</u> | *Where in the World Are Migratory Birds Declining During the Annual Cycle? the Winter Survival of a Near Threatened Shorebird in South America <u>Herbert JA, Mizrahi D, Taylor CM</u> | *Assessing the Potential for Using Weather Radar to Predict Bird Collisions <u>Elmore JA, Horton KG, Riding CS, O'Connell TJ, Loss SR</u> |
| 1615 | Immigration May Decouple Heterozygosity and Inbreeding in Declining Populations of Florida Scrub-Jays <u>Nguyen TN, Chen N, Bowman R, Fitzpatrick JW, Clark AG</u> | Investigating the Role of Avian Vocalizations as 'Magic Traits' Using On-Bird Sensors <u>Tarango CA, Sillett TS, Gomez AJ, Fitzpatrick JW</u> | *Demographic and Distributional Responses by Long-Distance Migratory Shorebirds to the Rapid Loss of Staging Habitat <u>Chan Y, Lok T, Chung SS, Tibbitts TL, Hassell CJ, Piersma T, Zhang S</u> | Using Molecular Techniques to Study the Diets and Gut Microbiota of Migratory Birds <u>Trevelline BK</u> | *What Factors Influence Nest Survival of the Endangered Yellow-Headed Amazon? <u>Tarazona-Tubens FL, Britt CR, Abadi F, Desmond MJ</u> | Movement and Distribution of Red Knots (<i>Calidris Canutus</i>) in the Southeastern U.S <u>Tuma ME, Powell AN</u> |
| 1630 | Phylogeny of the Hawaiian Thrushes (<i>Myadestes</i>) Based on UCE and Mitochondrial DNA Sequences <u>Fleischer RC, McInerney N, McIntosh CE, Sonsthagen SA, Olson S, James H</u> | Hierarchical Fear: Predation Risk Has Direct and Indirect Effects on Nestling Growth and Stress <u>de Zwaan DR, Martin K</u> | Cross-Seasonal Interactions: The Pacific as the World's Greatest Theater of Bird Migration <u>Piersma T</u> | Using Box-Nesting Birds to Explore Methods in Studying Developmental Immunity and Gut Microbiota <u>Knutie SA</u> | Effects of Translocation on Burrowing Owl (<i>Athene Cunicularia</i>) Survival, Fidelity, and Nesting Rates in Arizona <u>Doublet D, Desmond MJ, Johnson DH, Abadi F</u> | Movement Patterns and Habitat Use of Endangered Whooping Cranes During Migration Through Canada's Oil Sands Mining Region <u>Bidwell MT, Conkin JA, Ball J, Brandt DA, Harrell W, Kindopp R, Metzger K, Pearse AT, Wiacek R</u> |
| 1645 | Reconciling the Mitonuclear Compatibility Species Concept with Rampant Mitochondrial Introgression <u>Hill GE</u> | Increased Predator Density Changes Nest Attendance Behavior of Yellow-Headed Blackbirds (<i>Xanthocephalus Xanthocephalus</i>) <u>Harms TM, Behrens C, Ruff ZJ, Dinsmore SJ</u> | | Anthelmintic Drugs Modulate the Acute Phase Immune Response but Not the Microbiome in Wild Song Sparrows <u>Vaziri GJ, Jusino MA, Brewer MT, Adelman JS</u> | Landscape Matrix and Species Traits Mediate Avian Responses to Forest Fragmentation <u>Kennedy CM, Marra PP</u> | Revisiting Red-Winged Blackbird Migration: Fine-Scale Temporal and Spatial Movements of Individuals Across Annual Migration <u>Eshleman MA, Klug PE, Greives TJ, Gillam EH</u> |
| 1700 | The Common Yellowthroat Genoscape- a Genomic Approach to Delineating Conservation Units <u>Bossu CM, Rajbhandary J, Smith TB, Ruegg KC</u> | Parental Behaviors Mediate the Effects of Bird Blow Fly Ectoparasitism on Nestling Wood Thrushes in Suburban Forests <u>Straley KM, Warren PS, King DI</u> | | Assessing the Relationship Between Multiple Paternity and the Cloacal Microbiome in Female Tree Swallows <u>Hernandez J, McGlothlin JW, Belden LK, Moore IT</u> | *Demographic Consequences of Road Mortality to Snowy Plovers at Gulf Islands National Seashore, FL <u>Durkin MM, Cohen JB</u> | Age-, Sex-, and Size-Related Differences in the Distribution of Migrating Landbirds on the Northern Gulf Coast <u>Calderon LN, Zenzal Jr TJ, Barrow W, Wilson B, Buler JJ</u> |
| 1715 | A Genomic Investigation of the Potential Despeciation of Deeply Divergent Lineages in a Malagasy Passerine <u>Perry NL, Block NL, Younger JL, Raheirilalao M, Goodman SM, Reddy S</u> | Testing the Social Intelligence Hypothesis in Wild Birds <u>McCune KB, Jablonski P, Lee S, Ha RR</u> | | Panel Discussion | When Prioritizing Regions for Migratory Bird Habitat Conservation, Quantifying Costs Can Supersede Parametrizing a Population Model <u>Stanton Jr RA, McGowan CP, Robinson OJ</u> | |

Thursday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

| Room | Summit 5 | Summit 6 | Summit 7/8 | Summit 9/10 | Summit 11/12 | Summit 13/14 |
|---------|--|--|--|--|--|---|
| Session | Human Dimensions & Policy S67 | Symposium Undergrad Symposium S68 | Urban Ecology S69 | Symposium Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves et al.) S70 | Morphology & Molt S71 | Symposium Lessons from Avian Hybrid Zones and the Maintenance of Species Boundaries (Aguillon et al.) S72 |
| 1600 | *Wedge-Tailed Shearwater Persistence in Human-Dominated Areas <i>Idle JL, Friswold BM, Harmon KC, Price MR</i> | *Development, Not Bird Feeders, is Associated with Increased Occupancy of Northern Cardinals in Northern Michigan <i>Toner SM, Bonter DN</i> | *Investigating the Influence of Polarized Light and Artificial Night Lighting on Bird-Building Collisions <i>Lao S, Anderson AW, Blair RB, Eckles JW, Robertson BA, Turner RJ, Loss SR</i> | *Aspects of Municipalities Associated with Occupancy and Abundance of Chimney Swifts in Illinois <i>Hurd ML, Benson TJ, Ward MP</i> | The Role of Diet and Nesting in Bill Shape Diversification of Frugivorous Asian Barbets <i>Krishnan A, Souza N, Reddy S</i> | Hybridization in Northern Flickers Reveals Loci Associated with Feather Coloration <i>Aguillon SM, Lovette IJ</i> |
| 1615 | If You Build It, They Will Come: Avian Utilization and Predation at a Large-Scale Photovoltaic Solar Facility <i>Griffiths JL, Meade DE, Dart JD</i> | *Integrating Machine Learning and Citizen Science Data to Generate High-Performing Species Distribution Models for the Globally Vulnerable Gray Tinamou (Tinamus Tao) <i>Wiebe RA</i> | Urbanization and Elevated Cholesterol in American Crows <i>Townsend AK, Staab H, Barker CM</i> | Cross-Cultural Considerations in Wildlife Management and Conservation <i>Leonetti CC</i> | Glare Reduction Properties of Dark Avian Facial Markings <i>Lebow CK, Burt DB</i> | Cardinals Are Red, Buntings Are Blue; Because They Hybridize, They're Interesting Too! <i>Megna LC, Carling MD</i> |
| 1630 | Year-Round Monitoring Reveals a Unique Seasonal Pattern of Bird-Window Collisions Along the Pacific Coast of North America <i>De Groot KL, Porter AN, Norris AR, Huang AC</i> | *Modeling Persistent Effects of West Nile Virus on Avian Population Dynamics in the Northeastern United States <i>Dupont GL, Bonter DN, Robinson OJ</i> | The Interactive Effects of Fire and Recreation on Golden Eagles <i>Davis CM, Heath JA</i> | Sustainability in Long-Term Collaborations: The Harvest Assessment Program of the Alaska Migratory Bird Co-Management Council <i>Naves LC, Fall J, Tulik C, Pederson M, Keating JM, Fischer J, Schwalenberg P</i> | Evolution of Molt-Migration: a Large-Scale Phylogenetic Approach <i>Pageau C, Reudink MW</i> | Sex Chromosome Inversions May Enforce Reproductive Isolation Across an Avian Hybrid Zone <i>Hooper DM, Griffith SC, Price TD</i> |
| 1645 | Engaging Undergraduate Students in an Authentic Course-Based Research Experience Using Archived Nest Video Footage <i>Stracey CM</i> | Panel Discussion | Relationships Between Local- And Landscape-Scale Management and Urban Bird Communities Across Six Major Metropolitan Areas: Do Yards Matter? <i>Narango DL, Lerman SB, Hall SJ, Hobbie SE, Neill C, Trammell TL, Groffman P</i> | Banding Together to Learn and Preserve: 25 Years of Research in Cross-Cultural Western Alaska <i>Ely CR</i> | Molt-Migration in the Mexican Monsoon: 90 Years of Specimens Reveal a Phenological Mismatch Caused by Anthropogenic Climate Change <i>Terrill RS, Tsai WL, Maley JM, Rohwer S, Pimm G, McCormack JE</i> | Genomic and Morphological Approaches to Understanding Speciation in Jamaican-Endemic Streamertail Hummingbirds <i>Judy CD, Brumfield RT, Graves GR</i> |
| 1700 | Engaging with Veterinarians to Reduce Cat Overpopulation and Cat Impacts on Wildlife Populations <i>Sherwood LJ, Wilson AG, South CS, Roche SM, Luszczyk TM</i> | | Songbirds Alter Their Use of Bird Feeders in Response to Vocalization Playback <i>Barron DG, Sarna SD, Middleton RL</i> | Human Dimensions Applications in Shorebird Subsistence Harvest and Indigenous Knowledge in Alaska <i>Keating JM, Naves LC, Tibbitts TL, Ruthrauff DR</i> | Simultaneous Rectrix Molt and Comparative Molt Ecology of Eastern Wood-Warblers <i>Mumme RL, Mulvihill RS</i> | Ancient and Contemporary Hybridization Amongst Wood Warblers <i>Toews DP, Taylor SA, Streby H, Kramer G, Brennan C, Jones A, Lovette IJ</i> |
| 1715 | Evaluating Bird Feeders as Tools to Connect People with Nature, and Challenges Associated with Middle School Interventions <i>Hammond RL, Theimer TC</i> | | *Effects of Habitat Type on Provisioning Florida Burrowing Owl Space Use and Movements <i>Rose EH, Boughton RK</i> | Panel Discussion <i>Dayer A</i> | Bill Size Evolution in Response to Human-Mediated Ecological Change in a Tidal Marsh Songbird <i>Benham PM, Bowie RC</i> | Assessing Assortative Mating in Hybrid Zones <i>Scordato ES</i> |

Friday, Morning Session

*indicates student presenters eligible for AOS presentation award

| Room | Arteaga Theatre | Cook Hall | Summit 1 | Summit 2 | Summit 3 | Summit 4 |
|---------|--|---|---|---|--|--|
| Session | Habitat Relationships S73 | Breeding Biology S74 | Movements & Dispersal S75 | Lightning Talks S76 | Evolutionary Ecology S77 | Behavior S78 |
| 1030 | <p>The Importance of Dynamic Conservation Programs to Shorebirds in California's Central Valley</p> <p><u>Golet GH, Dybala K, Reiter M, Sesser K, Reynolds M, Barfield J, Spraycar P</u></p> | <p>Can Renesting Be an Effective Reproductive Strategy and How Does it Influence Conservation of a Threatened Shorebird Species?</p> <p><u>Swift RJ, Anteau MJ, Ring MM, Toy DL, Wagner HR, Sherfy MH</u></p> | <p>Investigating Aleutian Tern Breeding Season Movements Using Satellite Telemetry</p> <p><u>Nesvacil KA, Lyons DE, Oehlers S, Skinner J, Mondragon J</u></p> | <p>Urban Bird Community Shifts in Arizona <u>Allen DC et al.</u></p> <p>Community Change in Acadia National Park <u>Ruskin KJ et al.</u></p> <p>Habitat Use of Hawaiian Short-eared Owls <u>Wilhite CJ et al.</u></p> | <p>Speciation on an Island: Genetic Differentiation in Penguins and Shags</p> <p><u>Burg TM, Guevara-López J, Perkins N, Bost CA</u></p> | <p>New Technologies and Analytical Opportunities for Improved Inference About Avian Social Structure</p> <p><u>Clements SJ, Silk MJ, Hodgson DH, Weegman MD</u></p> |
| 1045 | <p>*Multi-Scale Approach to Evaluating Space Use in Invasive Avian Dispersers and the Implications for Seed Dispersal</p> <p><u>Wilcox RC, Tarwater CE</u></p> | <p>Nest Initiation Time and Distance to Water Predict Nest Success of the Hawaiian Stilt in Wetlands on O'ahu</p> <p><u>Harmon KC, Wehr NH, Price MR</u></p> | <p>Preferred Orientation of Vagrant Passerines During Autumn Migration</p> <p><u>Zawadzki LC, Taylor PD, Guilford T</u></p> | <p>Habitat Use in Agricultural Fields <u>Reiley BM et al.</u></p> <p>Benefits of Canada Goose Egg Addling <u>Edelstein DA et al.</u></p> <p>Declining Snowpack Limits High-elevation Bird <u>Brown TM et al.</u></p> | <p>The Genomic Landscape of Microgeographic Adaptive Divergence in an Island Endemic</p> <p><u>Cheek RG, Funk WC, Sillett TS, Ghalambor C</u></p> | <p>Using Playback Experiments to Investigate Species Discrimination in a Hybridizing Population of Blue-Winged and Golden-Winged Warblers</p> <p><u>Janik AE, Vonnhof MJ, Gill SA</u></p> |
| 1100 | <p>Habitat Modeling for Desert Thrashers</p> <p><u>Fletcher DM, Harter LB, Ammon E</u></p> | <p>Impacts of the December 2016 to August 2017 Bogoslof Island Eruption Event on a Major Alaskan Seabird Colony</p> <p><u>Rojek NA, Drew GS</u></p> | <p>Agent-Based Modeling and Simulation -- What's in it for Ornithologists?</p> <p><u>Clemen T, Lenfers UA, Bradshaw K</u></p> | <p>Snags and Cavity Usurption Affect Cavity-nesting Birds in Longleaf Pine <u>Levy HE et al.</u></p> <p>Is Kluane Lake a Superhighway for Migrating Golden Eagles? <u>Paprocki NA et al.</u></p> <p>Earlier Spring Arrival of Migrants in Turkey <u>Horns JJ et al.</u></p> | <p>Genetic Connectivity and Differentiation among Horned Larks (<i>Eremophila alpestris</i>) Along an Elevational Gradient in the White Mountains of California</p> <p><u>Wang-Claypool CY, Mason NA, Cicero C, Bowie RC</u></p> | <p>Landscape-Level Information Use Shapes Brown Pelican (<i>Pelecanus occidentalis</i>) Foraging Behaviors</p> <p><u>Geary B, James WR, Karubian J, Nelson JA, Leberg PL</u></p> |
| 1115 | <p>Spanning the Habitat Gradient: Red-Headed Woodpecker Nest-Site Selection in Three Distinct Cover Types</p> <p><u>Nickley BM, Bulluck LP</u></p> | <p>Measuring Impacts of Non-Native Species on Cavity-Nesting Birds at the Continental Scale</p> <p><u>Bailey RL, Faulkner HA, Martin VY, Phillips TB, Bonter DN</u></p> | <p>Alternative Pathways to Success: Transient Dispersers in a Cooperative Breeding Corvid</p> <p><u>Suh Y, Dent ML, Fitzpatrick JW, Bowman R</u></p> | <p>Nocturnal Calls Influence Vulnerability to Artificial Light <u>Winger BM et al.</u></p> <p>Winter Movement of Brown-capped Rosy-Finches <u>Yappert AA et al.</u></p> | <p>Assessing the Influences of Habitat Structure on Bird Song Propagation</p> <p><u>Hardt BM, Benedict L</u></p> | <p>Age-Related Variation in Bite Force in a Long-Lived Seabird in the Galapagos</p> <p><u>Rebol EJ, Anderson DJ</u></p> |
| 1130 | <p>Innovations in Measuring Habitat: Nest-Site Selection of Grassland Songbirds in Northern Mixed-Grass Prairies</p> <p><u>Guido NA, Correll MD, Ruskin KJ, Olsen BJ, Bernath-Plaisted J</u></p> | <p>Decadal Shifts in Patterns and Benefits of Nesting Near Territorial Predators by Tundra-Nesting Sea Ducks</p> <p><u>Miller MW, Lovvorn JR, Graff N, Stelrecht N, Quakenbush LT, Safine DE</u></p> | <p>Pacific Arctic Seabird Communities: a Decade of Change Viewed Through the Lens of the Distributed Biological Observatory's At-Sea Surveys</p> <p><u>Kuletz KJ, Cushing D, Osnas E, Labunski EA, Gall A</u></p> | | <p>Factors Mediating Reproductive Isolation Between Related Species at Contact Zones</p> <p><u>Kirschel AN, Nwankwo EC, Monadjem A, Grether GF, Brelsford A</u></p> | <p>Effects of Non-Breeding Rainfall on Signal Development, Social Behavior, and Reproductive Success in Red-Backed Fairywrens</p> <p><u>Welklin JF, Lantz SM, Khalil S, Karubian J, Webster MS</u></p> |
| 1145 | <p>Woodpecker Nest Survival and Density in Relation to a Pine Beetle Outbreak</p> <p><u>Saab VA, Latif QS, Dresser M, Dudley J</u></p> | <p>Consequences of Nest Outcome on Investment into Later Broods by Gray Catbirds</p> <p><u>Redmond LJ, Haq JI, Noble D, Ricco D</u></p> | <p>*Seasonal and Directional Dispersal Behavior in an Ongoing Dove Invasion</p> <p><u>Slager DL</u></p> | | <p>Life History Structures Phenotypic Variation in Avian Functional Traits</p> <p><u>DuBay SG</u></p> | <p>Variability in the Use of Acoustic Space Between Two Tropical Forest Bird Communities</p> <p><u>Hart PJ, Paxton KL, Tredinnick G</u></p> |

LUNCH BREAK

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COFFEE BREAK

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COFFEE BREAK

Friday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

| Room | Arteaga Theatre | Cook Hall | Summit 1 | Summit 2 | Summit 3 | Summit 4 |
|---------|---|--|--|--|--|--|
| Session | Conservation S97 | Symposium Long-term Studies of Cavity-nesting Birds: Windows into Environmental Change (Duckworth & Fair) S98 | Migration & Stopover S99 | Symposium Seabirds on the Edge of Two Worlds: Ecology and Conservation of Brachyramphus Murrelets in Marine and Terrestrial Environments (Rivers & Kissling) S100 | Genomics S101 | Behavior S102 |
| 1600 | Site Fidelity and Pairing Behavior in a Wintering Population of American Kestrels in North Texas <u>Biles KS, Bednarz JC</u> | Long-Term Dynamics of Tree-Cavity-Nesting Communities in Temperate and Subtropical Forests <u>Norris AR, Cockle KL, Wiebe KL, Trzcinski MK, Edworthy AB, Martin K</u> | Global Trends in Avian Partial Migration: a Meta-Analysis <u>Zavaleta ES</u> | Breeding Season Movements and Marine Habitat Use by the Marbled Murrelet in Oregon <u>Garcia-Heras M, Adrean LJ, Nelson SK, Roby DD, Betts MG, Rivers JW</u> | Population Genomics of Greater White-Fronted Goose <u>Wilson RE, Sonsthagen SA, Ely CR, Talbot SL, DaCosta JM, Sorenson MD, Scribner KT, Weaver M, Skalos D</u> | Timing of Breeding in American Coots: Bet-Hedging Against Nest Predation When Reproductive Performance Declines with Season <u>Lyon BE</u> |
| 1615 | Life on the Edge: Density and Demography of Marsh Wrens and Seaside Sparrows in Northeastern Florida <u>Schwarzer AC, Cox WA</u> | | Migratory Bird Twilight Ascent and Descent Rates Along the Southwestern Shoreline of Lake Erie <u>Wellik MJ, Kirsch EM, Sheildcastle M</u> | Distribution and Use of Freshwater Habitats by Kittlitz's Murrelets on Lakes in the Lower Wood River Lake System, Alaska <u>Nesvacil KA, Pendleton G, Swaim M, Walsh P</u> | The Long and the Short of It: Linking Genome-Wide Signatures of Selection Across Evolutionary Timescales in Birds <u>Shultz AJ, Arnold B, Sackton TB</u> | Manipulated Sex Ratios Alter Group Structure and Cooperation in the Brown-Headed Nuthatch <u>Cox JA, Cusick JA, DuVal EH</u> |
| 1630 | Saving the Kiwikiu (Pseudonestor Xanthophrys): Recovery Efforts in Maui, Hawaii <u>Mounce HL, Farmer C, Berry L, Masuda B, Warren C, Berthold L, Duvall F</u> | Population Increases Despite Habitat Saturation: What Can We Learn from Five Decades of Research? <u>Walters EL, Hagemeyer ND, Barve S, Pesendorfer MB, Koenig WD</u> | Migratory Behavior of the Western Burrowing Owl: Connecting Canada, United States, and Mexico <u>Conway CJ, Wellicome TI, Johnson DH, Conley JL, Lundblad CG, Bruinsma DR, Fisher RJ</u> | Seasonal Offshore Distribution and Habitat Use of Brachyramphus Murrelets in Alaska <u>Labunski EA, Kuletz K, Osnas E</u> | Comparative Genomic Structure Within Alaskan Galliforms <u>Sonsthagen SA, Wilson RE, Merizon RA, Talbot SL</u> | Helpers Mitigate Negative Effects of Predation Threat in the Cooperatively Breeding Purple-Backed Fairy Wren <u>Meyer DK, Kinnebrew E, Pruett-Jones S, Johnson AE</u> |
| 1645 | Forest Area Required to Support Landbird Population Goals for the Mississippi Alluvial Valley <u>Twedt DJ, Mini A</u> | Consequences of Long-Term Habitat Change and Resource Selection for Population Limitation in Cavity-Nesting Birds <u>Martin TE</u> | | Consistent Post-Breeding Movements of Marbled Murrelet from British Columbia to Alaska (2014-2016) <u>Bertram DF, MacDonald CA, O'Hara PD, Cragg JL, Corcoran R, Greene R, Woo K</u> | | |
| 1700 | Do Piping Plovers in the Northern Great Plains Function as a Metapopulation & Why Does it Matter for Conservation? <u>Anteau MJ, Swift RJ, Sherfy MH, Toy DL, Ring MM</u> | | | Post-Breeding Migration of Kittlitz's Murrelets from the Gulf of Alaska to the Bering Sea and Beyond <u>Douglas DC, Piatt JF, Arimitsu ML, Madison EN, Kissling ML, Schoen SK</u> | | |
| 1715 | | Panel Discussion <u>Fair J</u> | | | | |

Friday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

| Room | Summit 5 | Summit 7/8 | Summit 9/10 | Summit 11/12 | Summit 13/14 |
|---------|--|---|--|--|--|
| Session | Management & Policy S103 | Symposium Counting Unmarked Birds: Matching Appropriate Sampling and Modeling Techniques with Particular Research Questions (Latif & Valente) S104 | Symposium Wild Birds and the One Health Initiative: Dynamic Boundaries Affect the Health of Birds, Livestock, Humans, and the Environment (Ramey) S105 | Symposium Translational Ecology - Producing Actionable Science (Saunders et al.) S106 | Symposium The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias et al.) S107 |
| 1600 | The NSF is Growing Pathways to STEM for Rural Community College Students via Community Partnerships and Intensive Mentoring <i>Gillespie LM, Heinisch S, Grandgenett N</i> | A General Framework to Integrate Repeated Count and Mark-Resight Data <i>Rushing CS, Hostetter NJ, Boettcher R, Lyons J</i> | It's Not Just Flowerpots and Tires: Defining the Impacts of West Nile Virus on a Woodland Bird, Ruffed Grouse | Audubon's Vision: Restoring the Gulf of Mexico for Birds and People <i>Lankford KE</i> | Responses of Bird and Plant Communities to Global Change: Coupled or Decoupled? <i>Schleuning M</i> |
| 1615 | Landscape Composition Explains High Rates of Dispersal in Translocated Lesser Prairie-Chickens <i>Berigan LA, Aulicky C, Sullins D, Haukos D, Fricke K, Reitz J, Rossi L, Schultz K</i> | The Potential of Citizen Science Data for Population Monitoring <i>Johnston AA, Strimas-Mackey ME, Hochachka WM, Robinson OJ, Ruiz Gutierrez VV, Miller E, Auer MT, Fink D</i> | <i>Williams LM, Brown JD, Nemeth NM, Hutchinson ML, Helwig MW, Kyle AD</i> | Using Structured Decision Making to Connect Bird Monitoring to Restoration Decision-Making <i>Adams EM, Fournier AM, Lyons JE, Wilson R, Gleason JS, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</i> | Avian Functional Traits and the Impacts of Climate Change on Ecosystem Function <i>Pigot AL, Trisos C, Merow C, Tobias JA</i> |
| 1630 | Duration of Corvid Response to Forest Restoration Thinning: Implications for Conservation of the Threatened Marbled Murrelet <i>Hagar JC, Waianuhe LK</i> | Scaling Up by Integrating Standardized and Unstandardized, Community Science Count Data: a Case Study in the Upper Mississippi River <i>Michel NL, Meehan TD, Saunders SP</i> | Urban White Ibises Facing Trade-Offs in South Florida <i>Welch CN, Hernandez SM, Murray M, Curry SE, Kidd A, Hepinstall-Cymerman J, Lankau E, Yabsley M, Navarra K, Cummings C, Lipp E, Altizer S</i> | A Strategic Plan for Monitoring Birds in the Gulf of Mexico: Translating Stakeholder Values into Priorities <i>Fournier AM, Lyons JE, Wilson R, Gleason JS, Adams EM, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</i> | How Trait Data Help Improve Avian Biodiversity Forecasts Under Global Change <i>Zurell D</i> |
| 1645 | Effective Multi-Scale Governance for Migratory Shorebirds: Lessons from the EAAF and an Australian Wetland Site <i>Hamman EV</i> | Designing a Bird Survey for Latin America: The PROALAS Protocol in EBird <i>Ruiz-Gutierrez VV, Lello-Smith A, Ortega Alvarez R</i> | Lessons Learned from Research and Surveillance Directed at Highly Pathogenic Influenza Viruses in Wild Birds of North America <i>Ramey AM, DeLiberto TJ, Berhane Y, Swayne DE, Stallknecht DE</i> | Golden-Winged Warbler Conservation: Using Science to Take Action <i>Fowle MR, LaBarr MS, Barker SE</i> | The Impacts of Diversity and Assembly History on Community Vulnerability <i>Weeks BC, Tobias JA</i> |
| 1700 | | Panel Discussion | | An Assessment of Ecological Value and Vulnerability in the Bering, Chukchi, and Beaufort Seas <i>Smith MA, Goldman M, Knight E, Sullender B</i> | Panel Discussion |
| 1715 | | | Panel Discussion | Synthesizing Full Annual Cycle Science and Threats to Drive Conservation and Policy Actions for North American Migratory Birds <i>Deppe JL, Auer T, Knight E, Langham GM, Marra P, Mackenzie S, Rosenberg K, Smith M, Taylor L</i> | |