

*indicates student presenters eligible for AOS presentation award

LUNCH BREAK

Wednesday, Morning Session

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Room	Summit 5	Summit 6	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	Symposium Assessing the Cumulative Effects of Resource Development on Migratory Birds in Northern Boreal Regions (Mahon)	Sexual Selection	Conservation & Population Dynamics	Movements & Dispersal	Habitat Relationships	Population Biology
1030	Soaring to New Heights: Analytical Approaches for Cumulative Effects Assessment for Migratory Birds <i>Pelech SA, Mahon CL, Lowry N</i>	Within-Pair Annual and Lifetime Reproductive Success Drives the Opportunity for Sexual Selection in Black-Throated Blue Warblers <i>Germain RR, Hallworth MT, Silllett TS, Webster MS</i>	*Cutting Out Without Losing Out: Subsampling Soundscapes for Long-Term Avian Biodiversity Monitoring <i>Eiseman JP, Vonhof MJ, Gill SA</i>	Long-Term Dynamics of Breeding Dispersal Distances by Adult Northern Spotted Owls <i>Jenkins JM, Lesmeister DB, Forsman E, Dugger K</i>	*Shrub Encroachment Alters Distributions and Demography of Breeding Birds in Semi-arid Grasslands <i>Andersen EM, Steidl RJ</i>	*Growth of Two Atlantic Coast Piping Plover Populations <i>Weithman CE, Robinson SG, Hunt KL, Altman J, Bellman HA, DeRose-Wilson AL, Walker KM, Fraser JD, Karpanty SM, Catlin DH</i>
1045	Understanding Cumulative Effects for Land Management in Alberta: Models and Applications <i>Solymos P, Toms JD, Bayne EM</i>	Experimentally Increasing Perceived Competition for Nests Reduces Female Reproductive Performance and Extra-Pair Offspring <i>Murphy TG, Korsten P, Birker M, Marfull R, Komdeur J</i>	Spatial Models to Facilitate Broad-Scale Conservation of Breeding Habitat for Secretive Marsh Birds <i>Stevens BS, Conway CJ</i>	*A Burning Question: Does Personality Predict How Pre-Breeding Florida Scrub-Jays Explore Habitat in a Fire History Mosaic? <i>Sherer DL, Bohlen PJ, Bowman R</i>	*Are We Sure About Shearing? Evaluating the Impact of a Widely Used but Poorly Assessed Habitat Management Practice <i>Buckardt Thomas AC, Roth AM, McNeil Jr DJ, Johnson K, Rodewald AD, Larkin JL</i>	Population Demographics, Breeding Ecology, and Responses to Grazing of Montana Sagebrush Steppe Songbirds <i>Dreitz VJ, Ruth K, Berkeley L</i>
1100	Additive and Interactive Cumulative Effects on Boreal Landbirds: Winners and Losers in a Multi-Stressor Landscape <i>Mahon CL, Holloway GL, Bayne EM, Toms JD</i>	Male Red Carotenoid Coloration Indicates Mitochondrial Performance in the House Finch <i>Hood WR, Hill GE, Kavazis AN, Zhang Y</i>	A Bayesian Network Approach for Improved Seasonal Distribution Models of Long-Distance Migratory Passerines Using Tyrannus Flycatchers <i>MacPherson MP</i>	*Effects of Source Population and Release Strategy on Reintroduced Scaled Quail Mortality and Dispersal <i>Ruzicka RE, Doherty Jr PF, Rollins D</i>	Restoration Success: Avian Richness and Abundance Among 1,000 Acres of Restored San Francisco Bay Tidal Marsh Habitat, Based on Point Count Surveys that Employ Citizen Scientists <i>Edelstein D</i>	Population Genomics of Hawaiian House Finches (Haemorrhous Mexicanus): Investigating Genetic Variation of an Introduced Population <i>Demery AC, Edwards S, Shultz AJ</i>
1115	Community-Level Response to Cumulative Effects of Forestry and Energy Development <i>Toms JD, Carpenter TM</i>	Infanticide and Adoption in the Green-Rumped Parrotlet: Killing Cavities, Remorseless Rogues and Betrayed Saints <i>Beissinger SR, Berg KS</i>	*Using Integrated Models to Identify Ecology and Population Dynamics of a Threatened Arctic Species <i>Dunham KD, Abebe A, Dobson SF, Koons DN, Grand JB</i>	Does Experimental Local Extinction of a Flowering Plant Affect Hummingbird Movement Patterns? <i>Leimberger KG, Hadley AS, Betts MG</i>	*Post-Fire Nest Site Selection and Survival of Black-Backed Woodpeckers <i>Stillman AN, Siegel RB, Wilkerson RL, Johnson M, Howell CA, Tingley MW</i>	Contrasting Long-Term Population Trends of Beach-Nesting Shorebirds Under Shared Environmental Conditions <i>Kwon EB, Robinson SG, Weithman CE, Fraser JD, Karpanty SM, Catlin DH</i>
1130	Adverse Effects of Climate Change on Boreal Bird Communities Accentuated by Natural and Anthropogenic Disturbances <i>Tremblay JA, Cadieux P, Boulanger Y, Cyr D, Taylor AR, Price DT, Solymos P, Stralberg D</i>	Can Male Zebra Finches Perceive Their Own Quality and Adjust Mate Choice Accordingly? <i>Martin JO, Chien E, Henson KE, Burley NT</i>	Population Dynamics of a Long-Distance Migratory Passerine at the Edge of Its Range <i>Murphy MT, Redmond LJ, Dolan AC, Cooper NW, Chutter CM, Cancellieri S</i>	Habitat Use and Foraging Flights of Roseate Spoonbills in Florida Bay <i>Lago EA, Baldwin JD, Lorenz JJ</i>	*Identifying Critical Nesting Habitat for Ducks in Alberta's Western Boreal Forest <i>Dyson ME, Slattery SM, Fedy BC</i>	*Investigation of Population Change in a Hurricane-Affected Piping Plover Population <i>Robinson SG, Gibson D, Fraser JD, Bellman HA, DeRose-Wilson AL, Karpanty SM, Walker KM, Catlin DH</i>
1145	Panel Discussion	Associations of the Cloacal Microbiome with Sexual Ornamentation, Condition, Sex and Habitat in Molting House Finches <i>Hutton P, Giraudeau M, Sepp T, McGraw KJ</i>	Road Mortality in Barn Owls: Identifying Temporal and Spatial Hotspots in the Fraser Valley of British Columbia <i>Krebs EA, Hindmarch SR, Powers G</i>	The Allometry of Movement and Connectivity of Bird Communities <i>Hartfelder J, Fletcher RJ, Reynolds C, Monadjem A, McCleery R</i>	Persistence in a Changing Landscape: Recurring Bird Concentration Areas on Alaska's Arctic Coastal Plain <i>Sullender BK, Smith MA</i>	Using Museum Specimens to Investigate Fitness Variation Across Avian Hybrid Zones <i>Dougherty PJ, Carling MD, Fossberg SL</i>
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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)	Evolution	Conservation	Migration & Stopover	Symposium Social Dynamics in Interspecific Interactions (Shizuka)	Symposium Avian Biology and the Annual Life Cycle: Shorebirds as Models to Understand Dynamic Boundaries (Gurney)
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, Lijtmaer 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>	How Can Habitat Degradation Push Extreme Migrants Over the Edge? <i>Chan Y, Tibbitts TL, Hassell CJ, Peng H, Piersma T</i>
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Wednesday, Late Afternoon Session

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Room	Atwood Hall	Cook Theatre	Summit 1	Summit 2	Summit 3	Summit 4
Session	Symposium Understanding and Addressing the Collapse of the North American Avifauna (Marra)	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)	Phylogenetics	Symposium Species Limits in Birds: Integrative and Practical Considerations for Taxonomy (Winker & Rasmussen)	Climate	Abundance, Occupancy, Trends
1600	Pesticide Exposure and Effects on Migratory Songbirds: Past and Current Threats <i>Morrissey CA, Eng M, Stutchbury BJ, Stanton R, Clark R</i>	Forecasting Avian Responses to Climate-Mediated Increases in Fire Activity Across the Northwestern Boreal Forest <i>Matsuoka SM, S'olymos P, Breen AL, Handel CM, Rupp TS, Mahon CL, Kurkowski TA</i>	Genomic and Phenotypic Divergence in Red Warblers (Cardellina Rubra) <i>Tsai WL, White E, Maley JM, McCormack JE</i>	Australo-Papuan Perspectives on Unravelling Tangled Knots on Branches of Species Trees? <i>Joseph LG</i>	*Characterizing a Century of Species Losses in an Isolated Tropical Forest Fragment <i>Curtis JR, Robinson WD, Rompré G, McCune B</i>	EBird Status and Trends: Species Distributions and Population Trends with Citizen Science Data <i>Fink D, Auer T, Johnston A, Strimas-Mackey M, Iliff M, Robinson OJ, Petersen B, Kelling S</i>
1615	Determining the Role of Human-Caused Bird Mortality in the Collapse of the North American Avifauna <i>Loss SR</i>	Simulating the Effects of Climate on Fire Regime & Vegetation: Implications for Woodland Caribou & Boreal Landbird Communities <i>Hache SA, Micheletti T, Stralberg D, Cumming S, McIntire E, Tremblay J, Leblond M, Marchal J, Raymundo Sanchez A, van Telgen M</i>	A Phylogenomic Tree of Screech-Owls: Elucidating the Evolution of Color Polymorphism and Its Ecological Correlates <i>Kurtis SM, Owens HL, Oswald JA, Hosner PA, Guralnick R, Allen J, Ku M, Braun EL, Kimball RT</i>	Coalescent-Based Species Delimitation in Avian Taxonomy: History, Promise, and Pitfalls <i>Mason NA, Fletcher NK, Gill B, Funk C, Zamudio K</i>	Dominance in Hummingbird Communities: An Alternative Way to Visually Represent it <i>Ortiz-Pulido R</i>	Combining BBS and PIF Population Data to Estimate Recent Changes in Illinois' Total Bird Population <i>Herkert JR</i>
1630	Limitations to Predicting the Future of Climate-Driven Bird Declines <i>Tingley MW</i>	Conservation Lessons from the Study of Boreal Birds at Their Southern Periphery <i>Ralston J, DeLuca WV</i>	Wild Turkey Speciation Seen Through Full Genomes <i>Vazquez-Miranda H, Zink RM</i>	The Genomic Revolution and Species Delimitation in Birds: Gene Flow Matters, but What About Other Evolutionary Forces? <i>Cadena C</i>	Plague Management on Prairie Dog Colonies Maintains Habitat for Grassland Passerines and Raptors <i>Conrey RY, Tripp DW, Youngberg EN, Panjabi AO</i>	Results from a Decade of Banding Yellow Rails in Oklahoma and Texas <i>Butler CJ</i>
1645	Migratory Bird Policies: Changes, Threats and Opportunities for Action <i>Senner SE</i>	A Synthesis of Climate Change Impacts on Boreal Bird Communities in Managed Landscapes of Canada <i>Tremblay JA, Cadieux P, Boulanger Y, Cyr D, Taylor AR, Price DT</i>	Phylogenomics of Pigeons and Doves from Whole Genome Sequencing <i>Johnson KP, Boyd BM, Nguyen N, Allen JM, Steadman DW, Waterhouse RM, Sweet AD, Clayton DH, Bush SE, Shapiro MD</i>	An Incomplete Overview of Determining Avian Species Limits <i>Winker KS</i>	*Behavioral Niche Partitioning Reexamined: Do Behavioral Foraging Differences Predict Dietary Differences? <i>Kent CM, Sherry TW</i>	Population Trends and Habitat Associations of Conservation Priority Bird Species in Iowa <i>Vanausdall RA, Dinsmore SJ, Kinkad KE, Frese PW</i>
1700	Sorting Through the Ashes: a Synthesis, Roadmap and Discussion for the Conservation of the Birds of North America <i>Marra PP, Rosenberg K</i>	Conservation Planning for Boreal Birds in a Changing Climate: A Framework for Action <i>Stralberg D, Berteaux D, Drever M, Drever R, Naujokaitis-Lewis I, Schmiegelow F, Tremblay J</i>	Phylogenomics of the Parrots of the World <i>Smith BT, Brunfield R, Ferreira M, Mauck W, Merwin J, Wright T, Joseph LG</i>	Phylogenetic Relationships Within the Sharp-Shinned Hawk Complex with a Focus on Caribbean Populations <i>Catanach TA, Johnson JA, Thorstrom R, Halley MR, Palhano S, Weckstein JD</i>	Functional Changes in Assemblages of Avian Frugivores Following Extinction and Invasion <i>Case SB, Tarwater CE</i>	Do Drones Bug Songbirds? <i>Wilson AM, Boyle KS, Gilmore JL, Kiefer C</i>
1715	Panel Discussion	Panel Discussion	Molecular Phylogeny of Whistling Ducks (Dendrocygninae) <i>Harshman J</i>	Phylogenomic Analysis of Species Limits and Hybridization in the Red-Bellied/Golden-Fronted Woodpecker Clade (Melanerpes) <i>Miller MJ, Lavretsky P</i>	*Shifts in Avian Community Composition Across a Human-Modified Landscape in Borneo, Malaysia <i>Hightower JN, Yusah KM, Fletcher RJ</i>	Risk Assessment of Great Lakes Piping Plovers Using EABM: An R Package to Run Environment Agent-Based Models <i>Edwards BP, Jacobs S, Gillis D</i>

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

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Session	Genomics	Behavior	Symposium Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff)	Symposium Molecular Ecology is for the Birds: Using Molecular Techniques to Advance Our Understanding of Avian Ecology (Jusino)	Conservation	Migration & Stopover
1400	Genomic Differentiation Along the Speciation Continuum in Three Hummingbird Species Pairs <i>Henderson EC, Brelsford A</i>	*Plasticity of Aggressive Behavior in Bachman's Sparrows <i>Niederhauser JM, Ali S, Ziadi MP, Anderson RC</i>	Tropical Convection, Atmospheric Teleconnections, and Possible Links to Wind-Assisted Bird Migration Over the North Pacific <i>Feldstein SB, Gill RE, Douglas DC</i>	An Ornithologist's Toolkit for Molecular Community Ecology <i>Jusino MA</i>	Captivity and the Gut Microbiota of 'Akikiki: Implications for Conservation of a Critically Endangered Hawaiian Honeycreeper <i>Costantini MS, Crampton C, Masuda B, Reed F</i>	Quantifying Passage Population Size and Migration Phenology of Endangered Rufa Red Knots Staging in Southwestern James Bay, Ontario, Canada <i>MacDonald AJ, Smith PA, Friis CA, Lyons JE, Nol E</i>
1415	*Genomics and Color Morphs: Comparison of Whole Genome Sequence Data Between a Melanin-Based and a Carotenoid-Based Species <i>Shakya SB, Brumfield RT, Sheldon FH</i>	*Exploratory Behavior in Brown-Headed Nuthatches May Indicate Successful Population Reintroduction Strategy <i>Gray MM</i>	What Nonstop Trans-Pacific Flights of Shorebirds Mean for Our Understanding of the Energetic and Physiological Limits to Endurance Flight <i>Guglielmo CG, Lindstr"om</i>	<i>Jusino MA</i>	Down in the 'weeds' Searching for Answers to Wood Thrush Fledgling and Juvenile Survival <i>Hayes SM, Boyd B, Stutchbury BJ</i>	A Comparison of Spring and Fall Body Condition and Hematological Parameters in Two Migratory Songbirds <i>Hatch MI, Smith RJ</i>
1430	*Genomics of Parallel Divergence and Local Adaptation in Two North American Woodpeckers <i>Moreira LR, Smith BT</i>	Incubation Behavior of Trumpeter Swans Measured by Continuous Infrared Videography <i>Delehanty DJ, Bush DA</i>	Wind Assistance Along the Trans-Pacific Migration Corridor of the Bar-Tailed Godwit: Past, Present, and Future <i>Gill Jr RE, Douglas DC, Feldstein SB, Mills CM, Battley PF, Handel CM</i>	Using Molecular Methods to Identify Fungi at Woodpecker Excavated Cavities in Western Coniferous Forests <i>Lorenz TJ, Jusino MA, Schilling JS, Andrews E, Seveyka J, Fischer PC</i>	Comparison of Abundance and Annual Return Rates of Wintering Piping Plovers on Natural and Man-Made Beaches in the Mississippi Sound <i>Darrah AJ</i>	Annual Variation in Use of a Spring Stopover Site by Three Migratory Shorebirds <i>Tucker AM, McGowan CP</i>
1445	A Genomic Comparison Between Flycatchers Only Distinguishable by Innate Song Differences <i>Garcia NC, Campagna L, Rush AC, Bowie RC, Lovette IJ</i>	*Deep Snow and Dense Cover Influence Habitat Selection in a Winter-Adapted Bird <i>Shipley AA, Zuckerberg B</i>	Minding the Gap: An Energetics-Based Perspective on Not Migrating <i>Ruthrauff DR, Dekinga A, Gill Jr RE, Piersma T</i>	*The Nidobiome as a Framework to Understand Microbiome Assembly <i>Campos-Cerda F, Bohannan BJ</i>	*Patterns of Northern Bobwhite Juvenile Survival on Extensive Prairies and Mixed Agricultural, Grassland, and Wooded Landscapes in Missouri <i>Sinnott EA, Thompson FR, Weegman MD, Thompson T</i>	What Causes Vagrancy in Some New World Warblers Along the Pacific Coast? <i>Ralph CJ, Wolfe JD</i>
1500	Gradual Evolution Towards Flightlessness in Steamer-Ducks <i>Campagna L, McCracken K, Lovette IJ</i>	*Stinky is Sexy: The Major Histocompatibility Complex, Mate Choice and Personal Odor in Leach's Storm-Petrels <i>Jennings SL, Hoover BA, Sin Y, Nevitt GA, Edwards SV, Ebeler SE</i>	Rapid Global Differentiation of Migratory Phenotypes in Bar-Tailed Godwits <i>Conklin JR, Verkuil YI, Piersma T, Fontaine MC</i>	*Is There an Association Between Communities of Wood Decay Fungi and Black-Capped Chickadee Nest Cavities? <i>Gable CL, Lindsay AR, Jusino MA</i>	Cumulative Effects of Forest Harvesting, Wildfires, and Roads on Olive-Sided Flycatcher Habitat in British Columbia: Implications for Environmental Assessment Processes <i>Norris AR, De Groot K, Robinson A, Dohms KM, Thomas J, Lee A, Moore K, Martin K</i>	*Migratory Bird Use of Stopover Sites in Midwestern Forests and Urban Habitats During Spring and Fall <i>Outcalt JM, Buler JJ, Smolinsky JA, Dunning JB</i>
1515	Is Mutation Rate Linked to Diversification in Birds? <i>Oliveros CH, Faircloth BC</i>	*Dominance Rank and Sex Predict Social Network Position in a Winter Social Groups in a Passerine Bird <i>Block TA, Shizuka D, Chaine AS, Lyon BE</i>	Migratory Patterns of Sooty Shearwaters (Ardena Grisea) Across the Pacific Ocean <i>Shaffer SA, Harrison A</i>	Revealing Unknown Interactions: The Role of Patagonian Tapaculos (Rhinocryptidae) on the Dispersal of Endemic Truffles <i>Caiafa MV, Jusino MA, Díaz IA, Smith ME</i>	Responses of State-Endangered Common Terns (Sterna Hirundo) in Ohio to the Use of Artificial Nesting Platforms <i>Kearns LJ, Shirkey B, Picciuto M, Crouser A, Scott E</i>	What Can Weather Surveillance Radar Data Tell Us About Stopover Duration of Migrating Land Birds? <i>Buler JJ, Zenzal Jr TJ, Moore FR, CalderiÑn LN, Barrow Jr W, Wilson B</i>
COFFEE BREAK						

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COFFEE BREAK

Thursday, Late Afternoon Session

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Room	Atwood Hall	Cook Theatre	Summit 1	Summit 2	Summit 3	Summit 4
Session	Genomics & Systematics	Behavior	Symposium Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff)	Symposium Molecular Ecology is for the Birds: Using Molecular Techniques to Advance Our Understanding of Avian Ecology (Jusino)	Conservation	Migration & Stopover
1600	Identifying and Characterizing Transposable Element Polymorphisms in the Northern Flicker (<i>Colaptes auratus</i>) Species Complex <i>Hruska JP, Manthey JD</i>	*Provisioning Coordination Increases with Mate Familiarity in a Long-Lived Pelagic Seabird, the Manx Shearwater <i>Tyson CW, Gillies N, Guilford T, Hull JM</i>	*Demographic and Distributional Responses by Long-Distance Migratory Shorebirds to the Rapid Loss of Staging Habitat <i>Chan Y, Lok T, Chung SS, Tibbitts TL, Hassell CJ, Piersma T, Zhang S</i>	Detecting Ecosystem Services from Insectivorous Birds <i>Jedlicka JA</i>	*Where in the World Are Migratory Birds Declining During the Annual Cycle? the Winter Survival of a Near Threatened Shorebird in South America <i>Herbert JA, Mizrahi D, Taylor CM</i>	Assessing Optimality of Migratory Landbirds Crossing the Gulf of Mexico Using Individual-Based Modeling of Telemetry Data <i>Bolus RT, Diehl RH, Deppe JL, Ward MP, Moore FR, Celis-Murillo A, Zenzal Jr TJ, Smolinsky JA</i>
1615	Immigration May Decouple Heterozygosity and Inbreeding in Declining Populations of Florida Scrub-Jays <i>Nguyen TN, Chen N, Bowman R, Fitzpatrick JW, Clark AG</i>	Investigating the Role of Avian Vocalizations as 'Magic Traits' Using On-Bird Sensors <i>Tarango CA, Sillett TS, Gomez AJ, Fitzpatrick JW</i>	Cross-Seasonal Interactions: The Pacific as the World's Greatest Theater of Bird Migration <i>Piersma T</i>	Using Molecular Techniques to Study the Diets and Gut Microbiota of Migratory Birds <i>Trevelline BK</i>	*What Factors Influence Nest Survival of the Endangered Yellow-Headed Amazon? <i>Tarazona-Tubens FL, Britt CR, Abadi F, Desmond MJ</i>	Movement and Distribution of Red Knots (<i>Calidris canutus</i>) in the Southeastern U.S <i>Tuma ME, Powell AN</i>
1630	Phylogeny of the Hawaiian Thrushes (Myadestes) Based on UCE and Mitochondrial DNA Sequences <i>Fleischer RC, McInerney N, McIntosh CE, Sonsthagen SA, Olson S, James H</i>	Hierarchical Fear: Predation Risk Has Direct and Indirect Effects on Nestling Growth and Stress <i>de Zwaan DR, Martin K</i>		Using Box-Nesting Birds to Explore Methods in Studying Developmental Immunity and Gut Microbiota <i>Knutie SA</i>	Effects of Translocation on Burrowing Owl (<i>Athene Cunicularia</i>) Survival, Fidelity, and Nesting Rates in Arizona <i>Doublet D, Desmond MJ, Johnson DH, Abadi F</i>	Movement Patterns and Habitat Use of Endangered Whooping Cranes During Migration Through Canada's Oil Sands Mining Region <i>Bidwell MT, Conkin JA, Ball J, Brandt DA, Harrell W, Kindopp R, Metzger K, Pearce AT, Wiacek R</i>
1645	Reconciling the Mitonuclear Compatibility Species Concept with Rampant Mitochondrial Introgression <i>Hill GE</i>	Increased Predator Density Changes Nest Attendance Behavior of Yellow-Headed Blackbirds (<i>Xanthocephalus xanthocephalus</i>) <i>Harms TM, Behrens C, Ruff ZJ, Dinsmore SJ</i>	Closing Summary: A Synthesis and Gap Analysis of Migratory Connectivity Knowledge Available for Alaskan Birds <i>Harrison A</i>	Anthelmintic Drugs Modulate the Acute Phase Immune Response but Not the Microbiome in Wild Song Sparrows <i>Vaziri GJ, Jusino MA, Brewer MT, Adelman JS</i>	Landscape Matrix and Species Traits Mediate Avian Responses to Forest Fragmentation <i>Kennedy CM, Marra PP</i>	Revisiting Red-Winged Blackbird Migration: Fine-Scale Temporal and Spatial Movements of Individuals Across Annual Migration <i>Eshleman MA, Klug PE, Greives TJ, Gillam EH</i>
1700	The Common Yellowthroat Genoscape- a Genomic Approach to Delineating Conservation Units <i>Bossu CM, Rajbhandary J, Smith TB, Ruegg KC</i>	Parental Behaviors Mediate the Effects of Bird Blow Fly Ectoparasitism on Nestling Wood Thrushes in Suburban Forests <i>Straley KM, Warren PS, King DI</i>		Assessing the Relationship Between Multiple Paternity and the Cloacal Microbiome in Female Tree Swallows <i>Hernandez J, McGlothlin JW, Belden LK, Moore IT</i>	*Demographic Consequences of Road Mortality to Snowy Plovers at Gulf Islands National Seashore, FL <i>Durkin MM, Cohen JB</i>	Age-, Sex-, and Size-Related Differences in the Distribution of Migrating Landbirds on the Northern Gulf Coast <i>Calderon LN, Zenzal Jr TJ, Barrow W, Wilson B, Buler JJ</i>
1715	A Genomic Investigation of the Potential Despeciation of Deeply Divergent Lineages in a Malagasy Passerine <i>Perry NL, Block NL, Younger JL, Raheirilalao M, Goodman SM, Reddy S</i>	Testing the Social Intelligence Hypothesis in Wild Birds <i>McCune KB, Jablonski P, Lee S, Ha RR</i>		Panel Discussion	When Prioritizing Regions for Migratory Bird Habitat Conservation, Quantifying Costs Can Supersede Parametrizing a Population Model <i>Stanton Jr RA, McGowan CP, Robinson OJ</i>	*Assessing the Potential for Using Weather Radar to Predict Bird Collisions <i>Elmore JA, Horton KG, Riding CS, O'Connell TJ, Loss SR</i>

Thursday, Late Afternoon Session

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

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Friday, Late Afternoon Session

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

Friday, Late Afternoon Session

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Room	Summit 5	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	Management & Policy	Symposium Counting Unmarked Birds: Matching Appropriate Sampling and Modeling Techniques with Particular Research Questions (Latif)	Symposium Wild Birds and the One Health Initiative: Dynamic Boundaries Affect the Health of Birds, Livestock, Humans, and the Environment (Ramey)	Symposium Translational Ecology - Producing Actionable Science (Saunders)	Symposium The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias)
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 <i>Williams LM, Brown JD, Nemeth NM, Hutchinson ML, Hebwig MW, Kyle AD</i>	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>		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	The Interactive Effects of Fire and Recreation on Golden Eagles <i>Davis CM, Heath JA</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	Duration of Corvid Response to Forest Restoration Thinning: Implications for Conservation of the Threatened Marbled Murrelet <i>Hagar JC, Waianuheha LK</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	Effective Multi-Scale Governance for Migratory Shorebirds: Lessons from the EAAF and an Australian Wetland Site <i>Hamman EV</i>	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>	