<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Workshop</th>
<th>Chair(s)</th>
<th>Location/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Tern Ecology and Conservation Session</td>
<td>Patty Szczys</td>
<td>Loring – Movement of adult Common and Roseate Terns during the chick provisioning period</td>
</tr>
<tr>
<td>10:20</td>
<td>Workshop: Atlantic Marine Bird Cooperative</td>
<td>Caleb Spiegel</td>
<td>Introductions, Meeting Objectives &amp; Ground Rules</td>
</tr>
<tr>
<td>10:40</td>
<td>Symposium: Herons of the World</td>
<td>Chip Weseloh and Clay Green</td>
<td>Harebottle – HeronryMAP: mapping the distribution and status of ardeid breeding colonies in Africa</td>
</tr>
<tr>
<td>10:00</td>
<td>LEARNING FROM OUR PAST (History and accomplishments):</td>
<td></td>
<td>Lee – Current status, ecological characteristics and conservation of Family Ardeidae in natural and disturbed forests of urban area, Korea</td>
</tr>
<tr>
<td>10:40</td>
<td>10:30a Brief History of AMBC</td>
<td></td>
<td>Senner* – Response of avian communities to water management in the floodplain grassland of Mekong Delta</td>
</tr>
<tr>
<td>10:40</td>
<td>10:45a Broad Review of Accomplishments</td>
<td></td>
<td>Sundar – Abundance and distribution patterns of two heron species in multiple agricultural landscapes of south Asia</td>
</tr>
<tr>
<td>11:00</td>
<td>11:15a Group Structure</td>
<td></td>
<td>Mondal – Foraging strategy and prey-handling time in White-bellied heron in Namdapha Tiger Reserve, Arunachal Pradesh, India</td>
</tr>
<tr>
<td>11:00</td>
<td>11:15a What Has Worked and What Hasn’t</td>
<td></td>
<td>Toquenaga – Collective colony formation algorithm</td>
</tr>
<tr>
<td>11:20</td>
<td>11:15a Spatio-temporal patterns of habitat use by pre-migratory hatch year Roseate Terns on Cape Cod, Massachusetts, USA</td>
<td></td>
<td>Riegner – Morphological trade-offs and recursive plumage patterns as indicators of</td>
</tr>
<tr>
<td>11:20</td>
<td>Nepshinsky* – Determining sex of two monomorphic seabirds at the Isle Dernieres Barrier Island Refuge in Louisiana</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:40</td>
<td>Shealer – Outlook not so good: the plight of the Black Tern in North America</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Dayton* – Population structure of the Eurasian Whiskered Tern, a species exhibiting demographic expansion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:20</td>
<td>Windhoffer* – Evidence of predation and disturbance in nesting waterbird</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>12:40</td>
<td>Video monitoring of colonies on a Louisiana barrier island system</td>
<td>integrated evolutionary dynamics in the Ardeidae</td>
<td>Shah – Distribution and temporal trends of Western Reef Heron populations along the Arabian Gulf Coast, UAE</td>
</tr>
<tr>
<td>13:00</td>
<td>LUNCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Woodrow – Texas Rookery Island Project – A Deepwater Horizon Early Restoration Project</td>
<td></td>
<td>FUTURE DIRECTIONS Part I (Re-evaluating our focus):</td>
</tr>
<tr>
<td>14:50</td>
<td>Hardegree – Preliminary planning for colonial waterbird rookery habitat needs, San Antonio Bay, Texas</td>
<td></td>
<td>Review Questionnaire Results</td>
</tr>
<tr>
<td>15:10</td>
<td>Hackney – Already gone: GIS analysis and modeling of American Oystercatcher nest site erosion risk in the upper Texas coast</td>
<td></td>
<td>2:00p</td>
</tr>
<tr>
<td>15:30</td>
<td>Moran* – Ecosystem impacts from Double-crested Cormorants in a southeastern lentic, reservoir system</td>
<td></td>
<td>2:30p</td>
</tr>
<tr>
<td>15:50</td>
<td>Golet – When is additional shorebird habitat most needed in California’s Sacramento Valley</td>
<td></td>
<td>3:00p</td>
</tr>
<tr>
<td>16:10</td>
<td>Movement Ecology of Waterbirds Chair: Tommy King</td>
<td></td>
<td>4:30p</td>
</tr>
<tr>
<td></td>
<td>King – Home ranges and habitat use of brown pelicans in the northern Gulf of Mexico</td>
<td></td>
<td>Vision and Goals Statements</td>
</tr>
<tr>
<td>16:30</td>
<td>Rojas – Migration of American White Pelicans in central coast of Veracruz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Presenter</td>
<td>Title</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>-----------</td>
<td>-----------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>16:50</td>
<td>Shelpr*</td>
<td>GPS tag attachment is likely to affect hatching but not chick rearing in Herring Gulls</td>
<td></td>
</tr>
<tr>
<td>5:30pm</td>
<td>End day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:10</td>
<td>Meyer</td>
<td>Annual movements, breeding and winter affinities, and seasonal activity ranges of Magnificent Frigatebirds tracked by satellite</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Brzorad</td>
<td>Patterns of annual habitat utilization, spatial distribution and migration by Great Egrets</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:50</td>
<td><strong>Piping Plover Ecology and Conservation</strong>&lt;br&gt;Chair: Dan Gibson&lt;br&gt;Gibson – Winter habitat conditions influence survival across the full life cycle for an imperiled migratory shorebird</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:10</td>
<td>Bimbi – The role of the Piping Plover towards shorebird conservation on developed beaches in the southeastern U.S.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Hunt* – Piping Plover prey abundance and body condition after large-scale habitat creation on the Missouri River, USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:50</td>
<td>Rock – Migratory connectivity of Piping Plover that breeds in Eastern Canada</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:10</td>
<td>Weithman* – Carryover effects of reproductive performance and density dependence influence breeding propensity in a short-lived species</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Friedrich* – Piping Plover habitat suitability on the Niobrara River, Nebraska</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:50</td>
<td>Robinson* – Variable space use between nesting and brood rearing periods by Piping Plovers on Fire Island, NY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:50am - 12:30pm</td>
<td><strong>Workshop: Atlantic Marine Bird Cooperative</strong>&lt;br&gt;Chair: Caleb Spiegel</td>
<td><strong>FUTURE DIRECTIONS Part II (Determining how we work together):</strong>&lt;br&gt;9:50a Group Structure&lt;br&gt;11:15a Meetings&lt;br&gt;11:45a Member Time Commitment&lt;br&gt;12:00p Support Structures</td>
<td></td>
</tr>
<tr>
<td>9:50am - 12:30pm</td>
<td><strong>Workshop: Atlantic Marine Bird Cooperative</strong>&lt;br&gt;Chair: Caleb Spiegel</td>
<td><strong>FUTURE DIRECTIONS Part II (Determining how we work together):</strong>&lt;br&gt;9:50a Group Structure&lt;br&gt;11:15a Meetings&lt;br&gt;11:45a Member Time Commitment&lt;br&gt;12:00p Support Structures</td>
<td></td>
</tr>
<tr>
<td>9:50am - 12:30pm</td>
<td><strong>Herons Workshop</strong>&lt;br&gt;Chairs: John Brzorad and Cathy King</td>
<td>Introduction to day Kushlan 5 min&lt;br&gt;Part I: Communication &amp; structure HSG&lt;br&gt;Brief explanation of Heron Specialist Group (HSG) and Strategic review Green 15 min&lt;br&gt;HSG questionnaire : whose a heronophile now? Brzorad 10 min&lt;br&gt;Heron-related working groups: structure, objectives, successes and challenges 7 group representatives 60 min&lt;br&gt;Part II: Heron Action plans, research and conservation&lt;br&gt;Review status of species: trends, threats and gaps King 15 min&lt;br&gt;Action plan priorities and implementation issues 6 species representatives 55 min</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td>Chair/Presenter</td>
<td>Location/Details</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>12:30</td>
<td>LUNCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>Eunbi – Using the Dail-Madsen model to estimate abundance of migratory</td>
<td>12:30 Next steps</td>
<td></td>
</tr>
<tr>
<td></td>
<td>shorebirds at a stopover site</td>
<td>1:00pm Adjourn</td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td><strong>Shorebird Ecology</strong></td>
<td><strong>Eastern Black Rail Symposium</strong></td>
<td><strong>Heron Workshop</strong></td>
</tr>
<tr>
<td></td>
<td>Chair: Lisa Ferguson</td>
<td>Chair: Whitney Wiest</td>
<td>Chairs: John Brzorad and Cathy King</td>
</tr>
<tr>
<td></td>
<td>Felton* – Behavioral and physiological responses of nesting American</td>
<td>Tolliver* – Influences on detection and occupancy of black rails in Texas</td>
<td>Allocation of heron research and conservation efforts, now &amp; future plans</td>
</tr>
<tr>
<td></td>
<td>Oystercatchers to off-road vehicles on North Carolina’s national</td>
<td></td>
<td><em>Brzorad 15 min</em></td>
</tr>
<tr>
<td></td>
<td>seashores</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:20</td>
<td>Claassen – Multi-scale habitat selection by sandbar-nesting River</td>
<td>Moore* – Mud, sweat and skeeters: determining the status of the Eastern</td>
<td>Heron Global Action Plan – priority actions and species</td>
</tr>
<tr>
<td></td>
<td>Birds in Cambodia</td>
<td>Black Rail in Texas</td>
<td></td>
</tr>
<tr>
<td>14:40</td>
<td>Ferguson, L – Enhancing beach elevation to improve reproductive</td>
<td>Hand – Assessing the distribution of the Eastern Black Rail in South Carolina</td>
<td>I. Review of current action plan</td>
</tr>
<tr>
<td></td>
<td>outcomes for beach-nesting birds</td>
<td></td>
<td><em>Kushlan 25 min</em></td>
</tr>
<tr>
<td>15:00</td>
<td>Heller* – Red Knot and prey abundance and distribution along the</td>
<td>Brinker – Where have all the Black Rails gone?</td>
<td>II. Breakout discussion groups: identifying important gaps and priorities</td>
</tr>
<tr>
<td></td>
<td>Virginia barrier islands, USA</td>
<td></td>
<td>75 min</td>
</tr>
<tr>
<td>15:20</td>
<td>Black* – Diet of Great Black-backed and Herring Gulls, Tuckernuck and</td>
<td>Tsipoura – Assessing the status of Eastern Black Rail in New Jersey</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Muskeget Islands, Massachusetts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:40</td>
<td><strong>Waterbird Disease, Parasites and Contaminants</strong></td>
<td>Watts – Status and distribution of the Eastern Black Rail</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chair: Kate Sheehan</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Haram – Waterbird distribution and avian vacuolar myelinopathy species</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>susceptibility on a Georgia reservoir infested with the aquatic plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>hydridilla</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Ferguson, T* – Natural West Nile Virus infection in captive raised</td>
<td>Eastern Black Rail Discussion</td>
<td></td>
</tr>
<tr>
<td></td>
<td>American White Pelicans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Speaker</td>
<td>Topic</td>
<td>Notes</td>
</tr>
<tr>
<td>--------</td>
<td>------------------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>16:20</td>
<td>Goodenough*</td>
<td>– Making lemonade out of lemons: what we have learned about Gull-billed Tern colony recovery after the 2013 epizootic</td>
<td>3.  HSG objectives</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4.  Future focus topics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5.  Role in fund-raising</td>
</tr>
<tr>
<td>16:40</td>
<td>Sheehan</td>
<td>– How the metabolic theory of ecology helps us predict avian ectoparasite infracommunity carrying capacity</td>
<td>Wrap up</td>
</tr>
<tr>
<td>17:00</td>
<td>Kurimo-Beechuk</td>
<td>– Factors affecting the abundance of breeding secretive marsh birds and investigating the effects of metal contaminants on clapper rail health</td>
<td>Green 10 min</td>
</tr>
</tbody>
</table>

* indicated student presenter
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair/Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:50</td>
<td>Waterbird ecology and hydrology Chair: Peter Frederick</td>
<td>Clem – Trends in hydrology, habitat loss, and Wood Stork nesting at Corkscrew Swamp Sanctuary</td>
</tr>
<tr>
<td></td>
<td>Black Skimmer Symposium Chair: Troy Wilson</td>
<td>Smith – Black Skimmer management in New York State</td>
</tr>
<tr>
<td></td>
<td>Heron Ecology and Conservation Chair: Alan Maccarone</td>
<td>Ruiz-Guerra – Prey consumed by wading birds in mangrove swamps of Colombia Caribbean Coast</td>
</tr>
<tr>
<td>10:10</td>
<td>Evans* – Dietary flexibility of Wood Storks in response to human-induced rapid environmental change in South Florida</td>
<td>Brinker – Status and population change of Black Skimmers in Maryland 1985-2016</td>
</tr>
<tr>
<td></td>
<td>Maccarone – Intraspecific and intersexual variation in three species of wading birds</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Tiwary* – The role of environmental factors in influencing nest survival in Painted Stork populations of north India</td>
<td>Ray – Black Skimmer protection, monitoring, and stewardship at St. Pete Beach, Florida</td>
</tr>
<tr>
<td></td>
<td>D’Auria – Estimating the breeding populations of Great Blue Herons in Maine: what’s not on our colony list?</td>
<td></td>
</tr>
<tr>
<td>10:50</td>
<td>Frederick – Breeding site longevity and site characteristics have intrinsic value for predicting persistence of colonies of an endangered bird</td>
<td>Forys – Movements of first-year Black Skimmers in Florida</td>
</tr>
<tr>
<td></td>
<td>Yanosky – Potential impacts in heron populations due to scenarios of climate change in South America: focus in Paraguay and bordering countries</td>
<td></td>
</tr>
<tr>
<td>11:10</td>
<td>Peterson* – Contrasting resource selection of Great Egrets and Wood Storks in a dynamic ecosystem</td>
<td>Hackney – A bird’s eye view of nest sites: mapping habitat for Black Skimmers in the Upper and Mid Texas Coast</td>
</tr>
<tr>
<td></td>
<td>Matsunaga – Recent trends of the nesting location of Grey Herons in Hokkaido, northern Japan</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Poli* – The impact of water management on the nesting ecology of Snail Kites in South Florida</td>
<td>Heath – Industry provides a safe haven for nesting Black Skimmers</td>
</tr>
<tr>
<td></td>
<td>Essian* – Hydrologic fluctuations influence daily survival rates of small herons and Great Egrets in a subtropical littoral wetlands</td>
<td></td>
</tr>
<tr>
<td>11:50</td>
<td>Tiegs* – Analysis of wintering whooping crane behavior along the Texas Gulf Coast</td>
<td>Discussion</td>
</tr>
<tr>
<td></td>
<td>Rylander* – A hop, skip and a jump: the use of long-term banding data to understand movement and survivorship of Reddish Egret in Texas and Mexico</td>
<td></td>
</tr>
<tr>
<td>12:10</td>
<td>Gawlik – Strategies to cope with food-limitation: differing implications of prey and foraging habitat availability for wading birds</td>
<td>Gonzalez* – Clinal variations in dark morph proportion of Reddish Egrets in Cuba</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td>Details</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>12:30</td>
<td>LUNCH</td>
<td></td>
</tr>
</tbody>
</table>
| 14:00  | **Marsh Bird Ecology and Conservation**  
Chair: Chris Elphick  
McRae – Royal flush: ecology and conservation of the king rail on the mid-Atlantic coast | **Seabird Ecology**  
Chair: Pat Baird  
Goyert – Density-dependence and changes in carrying capacity in Alaskan seabird populations | **Heron Ecology and Conservation**  
Chair: Clay Green  
Cook – Range-wide survey of inland wading bird nest colonies in North Carolina |
| 14:20  | Byerly* – Effectiveness of remote data collection methods for monitoring secretive marshbirds | Baird – Least Terns nesting in Hawaii – Darwin’s Finches or Great Auks? Difficulties in establishing a foothold within a highly altered and hostile environment | Maccarone – Foraging microhabitat selection by long-legged wading birds at an artificial weir |
| 14:40  | Pierce – Coordinated conservation and monitoring of secretive marsh birds in the Midwest | Lamb – Long-term physiological responses of nestling seabirds to variation in prey availability and nest site characteristics | Yanosky – Impacts of a road construction on waterbird populations and first regional rehabilitation actions at Asuncion Bay Ecological Reserve |
| 15:40  | Znidersic* – Camera traps as an effective monitoring tool for low detectability species – a rail tale | Welch – Using seabirds to track ecosystem change in the Gulf of Maine | Sundar – Making a case for long-term monitoring of large waterbirds in agricultural landscapes: preliminary findings from south Asia |
| 16:00  | Reynolds – Tohoku tsunami inundation: variation in impacts to Pacific island bird communities | Mohanraj – Diversity of waterbirds in Periyakulam lake Tiruchirappalli District, TamilNadu, Southern India | **

* indicated student presenter