

| | WINDSOR A | WINDSOR B | VICTORIA ROOM | SWANNANOVA ROOM | ALEXANDER ROOM | BERKELEY ROOM | CHEROKEE ROOM | GRAND BALLROOM A | GRAND BALLROOM B | GRAND BALLROOM C1 | GRAND BALLROOM C2 | TOP OF THE PLAZA | SHERATON WOLFE | SHERATON VANCE | SHERATON VANDERBILT | |
|--|----------------------|---|---|--|---|---|--|--|------------------|-------------------|-------------------|---|--|---|--|--|
| | | | <i>Avian I</i> | <i>Conservation Biology I</i> | <i>Forest Pests</i> | <i>Symposium 17: Madagascar</i> | <i>Symposium 1: Arid Grassland Mapping</i> | | | | | <i>Symposium 8: Phenology</i> | <i>Urban I</i> | <i>Symposium 22: Modeling with Stakeholders</i> | | |
| 10:00 AM | POSTER SET UP | | Chaudhary, Anand Cross-scale interaction effects of regional climate and local proportion of land cover in agriculture on avian persistence | Lear, Kristen M "Bat-friendly" tequila and mezcal as a new agent for bat conservation in a telecoupled system | Dillon, Whalen W Influence of climate variability on pathogen spillover in a multi-host forest disease | OPEN | Allington, Ginger RH Mapping dynamic processes in arid rangelands: A new paradigm for land cover classification | MEETING VENUES: Sessions will be held in the Renaissance Asheville and Sheraton Four Points RENAISSANCE (abbreviated as "Ren." in session listings in program) First Floor Meeting Rooms: Grand Ballroom A, B, C1, C2; and Windsor Ballroom A, B Second Floor Meeting Rooms: Victoria, Swannanoa, Alexander, Berkeley, Cherokee (these are all accessible by guest elevators in the main lobby of the hotel, or by the service stairwell, located around the corner from the conference registration desk, near the first floor restrooms.) 12th Floor Meeting Room: Top of the Plaza (accessible by guest elevators in the main lobby of the hotel) SHERATON FOUR POINTS The Sheraton ballroom divides into three sections and is located just inside the main front entrance of the hotel, to the right of the reservation desk. Room names are: Wolfe, Vance and Vanderbilt. | | | | Zhang, Xiaoyang Real-time monitoring of land surface phenology from polar-orbiting and geostationary satellites | Morzillo, Anita T Stormwise: Promoting storm resistant trees and resilient power by integrating research, management, and outreach | Cooper, Caren B Citizen Science: Managing residential landscapes based on scientific discoveries that build social capital | | |
| 10:20 AM | | Pillay, Rajeev Decoding songbird vocalizations reveals the hidden impact of logging | Inman, Richard D A tale of two tortoises and tiny local t-values | Sturtevant, Brian R Long-distance dispersal of spruce budworm in the northeastern boreal forest – Model validation and application | Rakoto Ratsimba, Harifidy Madagascar, a country of change: Understanding forest landscape dynamics | de Beurs, Kirsten M Using multiple remote sensing perspectives to identify and attribute land surface dynamics in the changing grasslands of the Western Hemisphere | Brown, Jesslyn F Exploring climate and phenology relationships in the western U.S. | | | | | Bukowski, Catherine J Human well-being, social cohesion and environmental benefits of community food forests in the U.S. | Vukomanovic, Jelena Making it spatial, makes it personal: engaging stakeholders with geospatial participatory modeling (GPM) | | | |
| 10:40 AM | | Abernathy, Heather N Examining the effects of historic hydroclimate on current songbird abundance | Arakwiye, Bernadette Albertine Rift endemic bird's habitat suitability and protection status | Mayrand, Paul Modelling the development of spatial genetic structure during range expansion: The case of the mountain pine beetle (<i>Dendroctonus ponderosae</i>) | Ratovoson, Arimino Aina Navale A Landscape change in the north western mangrove of Madagascar: the role of sustainable fisheries for local communities' livelihoods | Galford, Gillian L Smallholder African land-cover and land-use change: Detection, constraints and impacts | Henebry, Geoffrey M Land surface phenologies in Central Asian mountain pastures: modeling challenges and opportunities | | | | | Li, Han Landscape scale analysis of urbanization effects on bat distribution in North Carolina | Smith, Jordan W Using immersive virtual environments to quantify stakeholder perceptions of, and behavioral responses to, landscape change | | | |
| 11:00 AM | | Singleton, Peter H Habitat overlap with barred owls influences multi-season site occupancy by northern spotted owls | Quinn, John E Application of scenario planning to improve biodiversity conservation in a rapidly urbanizing ecoregion | Marrec, Ronan Multi-scale environmental and spatial processes drive the metacommunity structure of spruce budworm's (<i>Choristoneura fumiferana</i>) associated parasitoids | Ravoahangy, Andriamandranto Landscape change and biodiversity conservation: how do we make a better change? | Unks, Ryan R An interdisciplinary analysis of semi-arid landscape change in Laikipia, Kenya | Spruce, Joseph P Use of MODIS NDVI phenology data in monitoring regional vegetation disturbances from abiotic weather events | | | | | Cocking, Dean Detecting patterns of distribution of low concentration airborne mercury deposition in the landscape of the Shenandoah Valley VA | Tonini, Francesco Collaborative solutions to invasive species management using Tangible Landscape | | | |
| 11:20 AM | | Schumaker, Nathan H Impacts of a human disturbance on greater prairie chickens: Insights from a spatial IBM | Polo-Akpisso, Aniko Ecological characteristics of natural habitat within the complex of protected areas Oti-Keran-Mandouri in Togo | Gaydos, Devon A Resilience of the diversity-disease risk hypothesis following wildfire disturbance | Discussion | Zhao, Feng Aron U.S. forest disturbance history from 1986 to 2010 observed from Landsat | CANCELLED: Dash, Jadu Quantifying uncertainties in satellite derived land surface phenology | | | | | | Spies, Thomas A Working with stakeholders from forest collaborative projects to model fire and forest restoration at landscape scales | | | |
| 11:40 AM | | | | | | Discussion | | | | | | Gu, Lianhong The legacy effects of drought on ecosystem phenology | Discussion. | | | |
| 12:00 PM – 1:30 PM STUDENT/MENTOR LUNCH & ATTENDEE LUNCH – GRAND BALLROOM | | | | | | | | | | | | | | | | |
| | | | <i>Symposium 16: New Frontiers in Conservation</i> | <i>Conservation Biology II</i> | <i>Symposium 5: Macroscale Invasion</i> | <i>Symposium 9: Machine Learning</i> | <i>Symposium 12: Telecoupled Systems</i> | | | | | <i>Symposium 8: Phenology (cont.)</i> | <i>Coastal & Marine</i> | <i>Planning</i> | <i>Watersheds and Hydrology</i> | |
| 1:40 PM | | | Baldwin, Robert F Prerequisites of conservation design: understanding the past drivers of spatial distribution of conservation lands | Morrison, Lloyd W Inter-observer error in vegetation surveys: A case study with <i>Lesquerella filiformis</i> | Clark, James S Forecasting the forest and the trees: consequences of drought in competitive forests | Huettmann, Falk Introduction of machine learning and data mining: A review of spatial applications, model selection and a technical overview | Liu, Jianguo Landscape networks as telecoupled human and natural systems: An introduction | PLEASE NOTE: <i>This grid represents the schedule as of March 28, 2016; Presentations marked as "cancelled" occurred after the Final Program book was printed. Any new cancellations and last minute changes will be posted at the Conference Registration Desk.</i> | | | | OPEN | Vigness-Raposa, Kathleen J Mapping animals reactions to human activity: It "sounds" more complex because it is | Jantz, Claire A Developing future land use scenarios for the Delaware River Basin | Sun, Ge Coupling Water-Carbon and Water Supply-Demand using the WaSSI Watershed Ecosystem Model. | |
| 2:00 PM | | Trombulak, Stephen C Landscape-scale conservation planning: A retrospective | Fasona, Michelle I Landscape occurrence and diversity of large mammals in Omo-Shasha-Oluwa Forest Reserves, southwest, Nigeria | Oswalt, Christopher M Southern invasive plant inventory data, tools, and discoveries | Raya Rey, Andrea N Prediction of ten seabird species of the Patagonian Shelf: Digital baseline with open access machine learning for a more effective seascape management | Lopez-Hoffman, Laura L A telecoupling model to account for spatial subsidies o ecosystem services provided by transboundary migratory species in North America | Mills, Richard T Scalable machine-learning approaches for analysis of large phenological datasets | | | | | Frans, Veronica F A whale of a tale: Using empirical and anecdotal location data to predict baleen whale distribution around the Falkland Islands | Claggett, Peter R Can afforestation and forest conservation save the Chesapeake Bay? | Stewart, Andrea N The sensitivity of catchment models to the spatial distribution of forests of different physiologic types | | |

Monday, April 4 continued

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| 2:20 PM | 2:40 PM | | | Leonard, Paul B From conservation planning to conservation design: The central and southern Appalachians | Wright, Alexander D Long-term population ecology and large-scale movement patterns of gopher tortoises (<i>Gopherus polyphemus</i>) in southwestern Georgia | Iannone III, Basil V Evolutionary divergence conveys biotic resistance to invasion across multiple spatial scales | Baltensperger, Andrew P An ecological niche model for Alaskan marten (<i>Martes americana</i>): Using interactions among prey, landscapes, and climate to inform machine-learning predictions | Yang, Hongbo Feedback effects of telecoupling: The case of a payment for ecosystem services program | | | | | de Beurs, Kirsten M Urban land surface phenology: An evaluation of Oklahoma City using the Oklahoma Mesonet and optical and thermal Landsat data | McEachron, Lucas G Assessing coral bleaching risk using sea bottom temperature | Lacher, Lara L Potential future landscapes within the Blue Ridge Region of northern Virginia | Van Appledorn, Molly Linking flood inundation modeling, ecosystem studies, and ecosystem services assessments for improved research and management of floodplain landscapes |
| | | | | Mordecai, Rua S From planning to action: How people are using the South Atlantic Conservation Blueprint at multiple spatial scales | Nuse, Bryan L Predicting spatial structure in gopher tortoise (<i>Gopherus polyphemus</i>) populations in Georgia, USA | Guo, Qinfeng Abundance structure across invasive species' ranges: From center to margin | Cushman, Samuel A Using random forest machine learning to improve prediction of temperature across topographically complex landscapes | Zhao, Zhiqiang Spillover network of multiple telecouplings | | | | | Zuckerberg, Benjamin The emerging role of citizen science in capturing the geography of avian phenology | Coyle, Theraesa A Shoreline verification for marine oil spill preparedness | Hazler, Kirsten R The Virginia Development Vulnerability Model: Exploring the driving forces of development | Sunde, Michael G Using multi-scenario CMIP5 data coupled with a physically-based watershed model to estimate potential hydrologic changes in an urbanizing Midwestern watershed |
| 3:00 PM COFFEE BREAK | | | | | | | | | | | | | | | | |
| | | | | <i>Symposium 16: New Frontiers in Conservation (cont.)</i> | <i>Conservation Biology II (cont.)</i> | <i>Symposium 5: Macroscale Invasion (cont.)</i> | <i>Symposium 9: Machine Learning (cont.)</i> | <i>Symposium 12: Telecoupled Systems (cont.)</i> | <i>Urban II</i> | <i>Assessment I</i> | <i>Forests, Weather & Climate</i> | <i>Symposium 21: Monitoring and Assessment</i> | <i>Symposium 8: Phenology (cont.)</i> | <i>Coastal & Marine (cont.)</i> | <i>Planning (cont.)</i> | <i>Watersheds and Hydrology (cont.)</i> |
| 3:20 PM | 3:40 PM | POSTER SET UP | | Compton, Bradley W Landscape conservation design in the Northeastern U.S. | Dilkina, Bistra N Shifting habitats in response to changing climate in the Southeastern U.S. | Potter, Kevin M How – and where – do nonnative trees alter the biodiversity of eastern U.S. forests? | Lieske, David J Ensemble of ensembles: Combining the predictions from multiple machine learning methods | Raya Rey, Andrea N A telecoupling analysis for the Patagonian Shelf seascape: A suggested template on how to study the wider seabirds-fisheries interactions worldwide for sustainability | Jamei, Elmira Eli Street design and outdoor thermal comfort | Filotas, Elise Ecological resilience of fragmented forests: linking functional response diversity with landscape connectivity | Bisbing, Sarah M Microclimate drivers of decline and forest compositional shifts in yellow-cedar forests of southeast Alaska | Costanza, Jennifer K Toward a general measure of landscape connectivity for climate change | Strong, Courtenay Influence of climate on irruption of North American boreal seed eating birds | Guy, Rachel K Seascape changes due to sea level rise may affect salt marsh dependent fisheries | Trammell, E Jamie Managing at Landscape Scales: How does landscape science inform resource management and planning? | Bulley, Henry N A landscape based assessment of the spatial relationship between land use change and water quality in the Catskill/Delaware watersheds |
| | | | | Plunkett, Ethan B Incorporating landscape change into conservation design | Cunningham, Caitlin L The honey bee (<i>Apis mellifera</i>) colony carrying capacity of Nova Scotia, Canada | Nunez-Mir, Gabriela C Understanding the influence of beta diversity on native-exotic diversity patterns | Sohl, Terry L Improving regional land cover modeling for ecological applications | OPEN | Tuch, David P The building of a sustainable brewery: The story of New Belgium Brewing's east coast brewery | Cosofret, Cosmin V Forest vegetation disturbances and landscape changes in complex forest ownership areas on LANDSAT Images: a case study in the northern Romanian Carpathians | Flake, Samuel W Scale-dependent tree mortality in semiarid woodlands: Incorporating fine-scale stand structure improves predictions of mortality and canopy dieback | Riitters, Kurt H Modeling North America tree cover disturbance at multiple scales | Hargrove, William W Temporal analysis of phenology to objectively determine normal seasonality of vegetation across the United States | Raposa, Kenneth B Assessing tidal marsh resilience to sea-level rise at broad geographic scales with multi-metric indices | Edwards, Thomas C Selecting optimal watersheds for restoration efforts in the Colorado Plateau of western North America given economies of energy development | Pickard, Brian R A novel approach for examining future US domestic water demand |
| 4:00 PM | | | Sutherland, Ron W Landscape conservation at regional and continental scales: the Wildlands Network perspective | Boesing, Andrea L The role of matrix composition maintaining the taxonomic, functional, and phylogenetic diversity of birds in agricultural landscapes | Tuttle, Julie P Invasions in Great Smoky Mountains National Park, North Carolina and Tennessee: Impacts, long-term questions, and data needs | Young, Brian D Modeling and mapping forest diversity within the boreal forest of interior Alaska | Chung, Min Gon Telecoupled interactions among tourism, ecosystem services, and human well-being | Liu, Yupeng The multi-scale effects of socioeconomic and climatic factors on air pollution: A case study in the Beijing-Tianjin-Hebei region and the Agro-pastoral transition zone, China | Liu, Xiaoqian A graph theory-based framework for evaluating spatial resilience: Linking disturbance, landscape and adaptive management in case of the ecological risks caused by coal mining | Ku, Chen-Chia The 23 years relationship between the climate data and the aboveground biomass in subtropical forest at Lanjenchi, southern Taiwan | Wickham, James D Spatial and temporal patterns of impervious cover relative to watershed stream location | OPEN | Celik, Seval Impacts of saltwater intrusion on tidal freshwater forested wetlands in the Apalachicola Bay, Florida | Russell, Marc J Landscape scale assessment of ecosystem goods and services and the extent, location, and magnitude of urban-suburban expansion | Clark, John M An approach to monitoring cyanobacteria blooms at surface drinking water intakes using satellite imagery | |
| 4:20 PM | | | Naujokaitis-Lewis, Ilona R Addressing timing of conservation actions to maintain climate refugia for threatened species | Bartuszevige, Anne M Using landscape design and human dimensions to inform strategic playa wetland conservation | Cook, Gericke L Anthropogenic mechanisms of spread for an invasive species varies across space in national risk models | Huettmann, Falk A synthesis of machine learning software, and an outlook for scientific workflows | Torres, Aurora Telecouplings of limited resources: The case of sand | Shoffner, Alexandra V The relative impacts of habitat amount, habitat configuration, and urbanization on forest breeding birds | Sayler, Kristi L Improvements in modeling land use and land cover using the FORE-SCE model | Kim, Daehyun Trees under wind stress: Spatial pattern explains susceptibility to hurricane damage | Perera, Ajith H Assessing spatio-temporal patterns of extensive forest disturbances in northern Ontario, Canada | Medvigy, David M Tropical dry forest phenology: Linkages to plant traits and sensitivity to climate | Giri, Chandra P Is the geographic range of mangrove forests in the conterminous United States really expanding? | Dowdell, Jennifer A Ecological planning in parks and open space along the Gulf Coast | Prebyl, Thomas Characterizing fragmented stream networks and prioritizing restoration in the Southeastern US | |
| 4:40 PM | | | Pomara, Lars Y Roles for integrative landscape resilience measures in conservation planning | Endries, Mark J Using Maxent and Geographic Information Systems to assist with aquatic and terrestrial conservation efforts in the Southeast United States | Fei, Songlin S Biotic resistance of invasive species | Discussion | Herzberger, Anna J Telecoupled food trade drives farmer risk perception | Ripplinger, Julie The role of residential areas in socio-ecological dynamics of urban ecosystems: A conceptual framework | Wagner, Helene H Moran spectral randomization of irregularly spaced ecological data | Schwantes, Amanda M Drivers of drought-induced tree mortality across Texas | Rommel, Tarmo K Classifying boreal wildfires by clustering ShrinkShape2 spectra of internal unburned vegetation patches | Shu, Shijie Synthesis of satellite NDVI products and vegetation dynamics in Earth system models using a data mining approach | Herold, Nathaniel D Coastal change analysis: Past, present, and future | Tuch, David P Integrating ecology into landscape planning and design solutions | Scaife, Charles I Landscape patterns and variation of spatial soil moisture from plot to catchment scales at the Coweeta Hydrologic Laboratory | |
| 5:00 PM | | | Discussion | | Discussion | | Schaffer-Smith, Danica Applying the telecoupling framework through the lens of landscape ecology | Van Berkel, Derek B Scaling future urban change: Simulation of urbanization scenarios across the southern Atlantic States, U.S. | Strassman, Andrew C Mapping the Appalachian Trail Corridor: Turning continuous vegetation into a map | Orejola, Nadine A Investigating differences between modeled historical and station calculated drought | Vogt, Peter Generic cost analysis via geodesic time | Discussion | Kuhn, Anne Multi-scale trends analysis of landscape stressors in an urbanizing coastal watershed | Lin, Laurence Modeling study of catchment water yield under different forest management practices | | |

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| | | | <i>Assessment II</i> | <i>Symposium 23: Urbanization Drivers and Consequences</i> | <i>Wildlife I</i> | <i>Landscape Dynamics I</i> | <i>Connectivity</i> | | | | | <i>Symposium 8: Phenology (cont.)</i> | <i>Symposium 4: Sustainable Wood-Based Bioenergy</i> | <i>Engaging People</i> | |
| 9:40 AM | POSTERS | | Caldwell, Peter Applications of the WaSSI ecosystem model for assessing global change impacts on water supply and carbon sequestration from the watershed to the continent | Pickett, Steward The Continuum of Urbanity: A new approach for integrating social-ecological processes in and among complex urban regions | Zhang, Jindong Animal activity characteristics is related to ecological landscape properties -a pioneering GPS collar study on giant pandas | Adams, Alison B 30 years of forest conversion in the Northeast: historical patterns and future projections | Zeller, Katherine A Sensitivity of resistance surfaces and corridors to landscape definition | | | | | Hoffman, Forrest M Detecting and tracking shifts in national vegetation composition | Wear, David N Land use futures in the Southeast: The interaction of urban and rural market forces | Khadka, Bidur Analysis of the impacts of REDD+ pilot project on local community forest user groups in Chamawati watershed area in Nepal | |
| 10:00 AM | | | Mehaffey, Megan H A spatially explicit tool combining climate change scenarios and ecosystem services | Chen, Liding The role of green landscape in thermo-environmental amelioration: A case study in Beijing | Bliss, Laura M Habitat availability assessment for the Gulf Coast kangaroo rat (<i>Dipodomys compactus</i>) in south-central Texas | Dyer, James M Incorporating interactive climatic influences on tree growth rates in the mid-Atlantic U.S. | Holland, Jeffrey D The shape of dispersal-scapes | | | | | Mao, Jiafu Natural and human impacts on global vegetation growth tendency | Greenberg, Cathryn H Natural disturbances shaping the structure and composition of southeastern forests | Thieme, Alison N Comparing the utility of CLASLite forest monitoring for REDD+: Seima Protection Forest, Maya Biosphere Reserve, Takamanda Mone Landscape, Makira Natural Protected Area | |
| 10:20 AM | | | CANCELLED: Bertalan, Margit M An event ecology approach to studying deforestation | McHale, Melissa R Democratization of ecosystem services - A radically revised framework for assessing nature's benefits to communities | Bauder, Javan M Drawing lines in the landscape: Illustrating the challenges of assessing broad-scale habitat associations with radio telemetry data using a federally threatened snake species | Nair, Shadananan K Climate change and land use changes: Impacts on the forest landscapes in the western Ghats Mountain | Kovach, Adrienne Functional connectivity of an early successional specialist | | | | | | Jain, Atul K Implementation of a dynamic rooting depth and phenology into a land surface model: Evaluation of carbon, water, and energy fluxes in high latitude ecosystems | Wiseloge, Arthur E DOE's moves toward forest landscape design | McWilliams, Matthew R Participatory citizen science and historical logbooks: Co-creating tools for local management in a Newfoundland fishing community |
| 10:40 AM | | | Pickell, Paul D Anthropogenic landscape pattern changes of the Canadian boreal forest from 1985 to 2010 | McGrath, Brian P An archaeology of the metacity | Portugal, Marina P Effects of grain size on the identification of Jaguar (<i>Panthera onca</i>) priority conservation areas in Cerrado, Brazil | Huebner, Cynthia D Comparison of vegetation composition in response to disturbance versus local and regional physiography | Drake, Joseph C Impacts of temporary and permanent isolated water resources in the Sonoran Desert on connectivity, isolation, and wildlife management strategies: An example of transient connectivity | | | | | | Langford, Zachary L Mapping vegetation distributions in Arctic ecosystems for parameterizing models using satellite-derived phenology | van der Hilst, Floor Variation in carbon balances of wood pellet production in Southeast US | Sacco, Alexander E Traditional ecological knowledge of sea ice and walrus ice-patch preference near St. Lawrence Island |
| 11:00 AM | | | Horvath, Elena K Building a potential wetland restoration indicator for the U.S. EPA's EnviroAtlas | Zhou, Weiqi Mapping the "invisible" urban greenspace and change with high-resolution imagery: a comparative study of 9 Chinese cities | Whiteman, Ari B Modelling den habitat for eurasian brown bears In Croatia amid renewable energy development | Buma, Brian J How big is a complete (disturbance) landscape? The role of study extent on disturbance/area relationships across the North American continent | Seagle, Steven W Monitoring and predicting emergence pathways of lyme disease in northwest North Carolina | | | | | | McCabe, Gregory J Variability in the start, end, and length of frost-free periods across the conterminous United States during the past century | Coffin, Alisa W Landscape considerations of perennial biofuel feedstock production in conservation buffers of the Georgia Coastal Plain, USA | CANCELLED: Bunnath, Kuhn The evolution of participatory land use planning (PLUP) into commune land use planning (CLUP) in Cambodia |
| 11:20 AM | | | Li, Yangfan Y Coupling coordination assessment between urbanization and environmental systems | Anderson, Barbara J Urban sustainability measures as evidenced in climate change action plans | Bauder, Javan M Multi-level, multi-scale habitat selection by the federally threatened Eastern Indigo Snake (<i>Drymarchon couperi</i>) in peninsular Florida | | Welsh, Erin C Ticks like it hot: Potential for climate change-induced shifts in vector-borne disease risk | | | | | | Brooks, Bjorn-Gustaf J Phenological dynamics under global-change-type drought | Arodudu, Oludunsin Tunrayo Spatio-temporal assessment of agro-bioenergy systems-a Human appropriation of net primary production (HANPP) approach | |
| 11:40 AM | | | Puric-Mladenovic, Danijela Defining a composite index of vegetation quality | Gibson, Dainee M Scenario planning for land use change in the rapidly urbanizing southeast US: Conservation goals and tradeoffs | Mondal, Indranil Connectivity conservation for tigers in a human dominated landscape | | Kissick, Ashley L Beetle functional diversity responds at different spatial foci | | | | | | Gray, Josh M A kalman filter approach to multitemporal, multisensor image fusion | Discussion | |
| 12:00 PM – 1:00 PM | | LUNCH ON YOUR OWN | | | | | | | | | | | | | |
| 1:00 PM – 5:00 PM | HALF DAY WORKSHOPS & FIELD TRIPS (pre-registration required) | | | | | | | | | | | | | | |

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| | <i>Wildland Fire I</i> | <i>Landscape Dynamics II</i> | <i>Wildlife II</i> | <i>Ecosystem Services I</i> | <i>Urban III</i> | <i>Symposium 20: Conserving Connections</i> | <i>Symposium 3: Thermodynamics</i> | | | | | <i>Arid Landscapes</i> | <i>Symposium 4: Sustainable Wood-Based Bioenergy (cont.)</i> | <i>Symposium 10: Bioenergy and Biodiversity</i> |
| 9:40 AM | Parks, Sean A How will climate change affect wildland fire severity in the western US? | Schleeweis, Karen G National U.S. maps of forest disturbance processes | CANCELLED: Jolinski, Dennis E Naive-translocated northern caribou exhibit reduced antipredator behavior and survivorship | Wiederholt, Ruscena Spatial subsidies of ecosystem services provided by the migratory Mexican free-tailed bat | Wang, Zhifang Changing landscape pattern and functions of traditional ponds during Chinese rapid urbanization | Theobald, David M From corridors to transboundary landscape connectivity and permeability | Cushman, Samuel A Thermodynamics in landscape ecology: An introduction and overview | | | | | Padonou, Elie A Bowlization: its impact on soil, biodiversity, and human livelihoods in West Africa | Lee, Danny C Remote tracking of forest dynamics using satellite imagery: Implications for sustainable forest management in the Southeast | Jager, Henriette I Can future US bioenergy production coexist with avian biodiversity? |
| 10:00 AM | Gracio de Barros, Ana M Wildfire in the Pacific Northwest under climate change | Dannenberg, Matthew P Environmental stresses recorded in tree rings: Development and evaluation of a continental-scale index of environmental limitations to plant growth | Haase, Catherine G Quantifying landscape complementation and implications to habitat selection of a cold intolerant mammal | Lookingbill, Todd R Battlefield landscapes and the ecosystem services they provide | Castro-Prieto, Jessica H Declining population but increasing housing pressure surrounding natural protected areas in Puerto Rico | Cardille, Jeffrey A Planning for ecological connectivity in the Okanagan Valley, British Columbia | McKenzie, Donald Ecosystems as energy fields | | | | | Weisberg, Peter J Cheatgrass die-off in the Great Basin: Using the Landsat archive to infer mechanism from spatiotemporal pattern | Nettles, Jami E Sustainable bioenergy intercropping in pine plantations - results from research to operational-scale trials | Verdade, Luciano M Vegetation biomass as a surrogate for birds' diversity |
| 10:20 AM | Airey Lauvaux, Catherine T Fire and drought across forest types in a northern Rocky Mountain landscape | He, Hong S A framework of coupling forest ecosystem and landscape model to predict aboveground and belowground forest carbon dynamics | McCluskey, Eric M Role of historical land use in the distribution of Eastern Massasauga rattlesnake habitat in northeastern Ohio | Liu, Luyi Formation mechanisms of ecosystem services: A preliminary review of a decade (2005-2015) | Wei, Wei Responses of landscape change to urbanization and human activities in the Bohai rim Region, Northern China | McClure, Meredith L A connectivity data atlas for the Great Northern Landscape Conservation Cooperative: Making sense of diverse data to inform strategic connectivity conservation | Newman, Erica A Macroecology meets disturbance ecology: connecting species diversity patterns to disturbance ecology through information entropy statistics | | | | | Andrew, Margaret E Detecting climate refugia in semi-arid landscapes with time-series remote sensing | Parish, Esther S Effects of wood-based pellet production on forest conditions in two fuelsheds in the southeastern United States | Phifer, Colin C Bird community responses to afforested eucalyptus plantations in Argentina |
| 10:40 AM | Miller, Carol L Topographic features and fire weather conditions supporting fire refugia in temperate forests of western North America | Breckheimer, Ian K Climate drives fragmentation of montane meadow ecosystems via phenological mismatch | Wang, Fang Shared resources, species interaction, and management options: An integrated conservation planning in a tele-coupled world | Dorning, Monica A Influence of oil and gas development on big game hunting success in Wyoming, USA | Blaszczak, Joanna R Disentangling the landscape drivers behind urban stream degradation | Baldwin, Robert F East-west linkages need on the ground action in human-dominated mountain regions | Li, B Larry Towards a thermodynamically-sounded approach to ecological landscape dynamics | | | | | Yang, Lei Linking landscape pattern and soil moisture in re-vegetation watersheds | Moorman, Christopher E An experimental approach to assess the effects of woody biomass harvests on wildlife habitat | Brandes, Elke Subfield profitability analysis reveals an economic case to increase biodiversity |
| 11:00 AM | Merschel, Andrew G The effect of landscape context on historical fire regimes across mixed-conifer ecotones | Davis, Amy J Effect of multi-temporal forest cover change trajectories on forest plant diversity | Gagné, Sara A The effects of road and landscape characteristics on the likelihood of a Barred Owl (<i>Strix varia</i>)-vehicle collision | Iverson, Aaron L Maximizing biodiversity and ecosystem services in Puerto Rican agricultural landscapes | Minor, Emily S Diversity and functional characteristics of flowering plants in an urban residential landscape | Boisjolie, Brett A Policy Patterns in River Networks: Riparian Management in the Oregon Coast Range | CANCELLED: Lin, Henry S Thermodynamic entropy fluxes reflect ecosystem characteristics and succession | | | | | Marr, Paul G Primary productivity trends of human-managed high-altitude cushion bogs (bofedales) in the Central Andean Puna, 2001-2013 | Tarr, Nathan M Modeling the effects of biomass production on landscapes and wildlife habitat | Lituma, Christopher M Multi-scale assessment of wildlife sustainability in switchgrass biofuel feedstock production |
| 11:20 AM | Hessburg, Paul F Early successional conditions in the eastern Washington Cascade Mountains: Contrasting the premanagement and modern-eras | Gonzalez-Roglich, Mariano Pan-tropical deforestation trends from 2001-2013: Bigger chunks or smaller nibbles? | Plante, Judith Why did it cross the road?: Landscape and road features influencing roadkill locations | Iverson, Louis R Managing for a delicious ecosystem service under a changing climate: can sugar maple (<i>Acer saccharum</i>) syrup provision be maintained in a warming climate? | Woznicki, Sean A Effects of landscape-based green infrastructure on stormwater runoff in suburban developments | Belote, R Travis A national connected network of large protected areas: identification, challenges, and applications | Povak, Nicholas A Power-laws, complexity, and entropy in wildfire systems | | | | | CANCELLED: Raufirad, Valiollah Socioeconomic vulnerability assessment of rangelands and its relation with ecological sustainability (case study: Highlands of Natanz County, Isfahan Province) | Dale, Virginia H Opportunities and constraints for progress toward sustainable bioenergy in forests of the southeastern United States | Negri, Maria C A resource recovering landscape for sustainable bioenergy |
| 11:40 AM | | Brooke, Michael Texas Disasters II: Utilizing NASA Earth observations to assist the Texas Forest Service in mapping and analyzing fuel loads and phenology in Texas grasslands | Vélez, Juliana Diet and food availability for the lowland tapir (<i>Tapirus terrestris</i>) in the Middle Caquetá River Basin (Amazonas, Colombia) | | Anderson, Elsa C Evaluating historic, local, social, and landscape drivers of species diversity in vacant lots in Chicago, IL, USA | Dickson, Brett G Bureau of Land Management lands as opportunities to connect and protect the last vast places in the western U.S. | Cushman, Samuel A Calculating the configurational entropy of a landscape mosaic | | | | | Axel, Anne C Spatio-temporal movements of livestock in tropical dry forests in southern Madagascar | Discussion | Discussion |
| 12:00 PM – 1:20 PM ATTENDEE LUNCH / GRAND BALLROOM | | | | | | | | | | | | | | |
| | <i>Wildland Fire II</i> | <i>Symposium 15: LiDAR Applications</i> | <i>LANDIS Modeling</i> | <i>Genetics</i> | <i>Symposium 13: Climate and Biodiversity</i> | <i>Symposium 20: Conserving Connections (cont.)</i> | <i>Symposium 19: Amphibians</i> | | | | | <i>Symposium 7: Global Drylands</i> | <i>Symposium 11: Sustainable Bioenergy Opportunities</i> | <i>Symposium 10: Bioenergy and Biodiversity (cont.)</i> |
| 1:20 PM | Loudermilk, E Louise Landscape patterns of fine-scale plant diversity: Linking overstory structure and site characteristics to the understory community | Petras, Vaclav Efficient processing of dense point clouds in GRASS GIS | Gustafson, Eric J Using first principles to increase the robustness of forest landscape models for projecting climate change impacts | OPEN | Pederson, Neil A The potential masking of eastern US forest vulnerability during the Anthropocene due to 20th century climate | Anderson, Mark G Mapping landscape permeability to facilitate range shifts under climate change | Spangler, Mark A Environmental DNA sampling as a means to investigate wood frog (<i>Rana sylvatica</i>) range extent in northern Alaska | | | | | Wu, Jianguo Landscape sustainability science: Coupling ecosystem services with human wellbeing in changing landscapes | Baumes, Harry USDA and a sustainable bioeconomy | White, Gwen M Mississippi Basin / Gulf Hypoxia Initiative: Seven LLCs meet largescale agricultural conservation challenges from grassland birds to Gulf coast shrimp |
| 1:40 PM | Tucker, Madelyn M Post-wildfire biological legacies in northern Lower Michigan: Effects on stand structure and plant community diversity | Kumar, Jitendra Characterization and classification of vegetation canopy structure and distribution within the Great Smoky Mountains National Park using LiDAR | De Jager, Nathan R Simulating ungulate herbivory across forest landscapes: A browse disturbance extension for LANDIS-II | LaRue, Elizabeth A Incorporating geographic variation in dispersal in order to better predict species' distributions | Peters, Matthew P Analyzing drought in eastern US forests from 1961–2009: Potential changes in resiliency | Hilty, Jodi A Does it pay off to envision conservation at scale? Y2Y a 20-year retrospective | McElroy, Cara L Determining landscape connectivity through patterns of amphibian community composition across a land-use gradient | | | | | Briske, David D Resilience and resilience-based management derived from analysis of multiple long-term vegetation records in the western US | Langeveld, Johannes Bioenergy opportunities to increase resource management efficiency: Effects on land use within a landscape perspective | Craig, Kevin Linking watershed processes to coastal fisheries: effects of nutrient enrichment and hypoxia on the Gulf of Mexico fishery ecosystem |

Wednesday, April 6 continued

| | WINDSOR A | WINDSOR B | VICTORIA | SWANNANOVA | ALEXANDER | BERKELEY | CHEROKEE | GRAND BALLROOM A | GRAND BALLROOM B | BALLROOM C1 | BALLROOM C2 | TOP OF THE PLAZA | SHERATON WOLFE | SHERATON VANCE |
|-----------------------------|--|---|---|---|--|--|---|--|---|---|--|---|---|--|
| 2:00 PM | McKerrow, Alexa J Normalized Burn Ratio fire-severity indices link ecosystem process with patterns of avian occurrence | Norman, Steven P Forest structural complexity of the Southern Appalachians revealed by above ground LiDAR classification | Bhotika, Smriti S Landscape simulation modeling of forest ecosystems: Effects of plot-level data representation on model performance | James, Patrick MA Landscape community genomics and the mountain pine beetle outbreak system | Miniat, Chelcy F Downslope subsidies in topographically-complex forests affect forest carbon and water cycling | Hall, Sonia A Meeting managers where they are at—Lessons learned engaging users of connectivity products in Washington State | Spear, Stephen F Using environmental DNA to monitor hellbenders and its potential for understanding the effect of landscape alteration on populations | | | | | Niu, Jianming Landscape sustainability in changing Eurasian grasslands: Linking ecosystem services with grassland degradation and restoration | Hansen, Jason K Exploring integrated landscapes for Bioenergy Feedstock Pro | Evans, Samuel G The role of economics in understanding biodiversity in bioenergy landscapes |
| 2:20 PM | Armenteras, Dolores Quantification of degradation by burning in riparian forests-savannah edges | Newcomb, Douglas J Landscape level analysis of QL2 LiDAR data by species for avian nesting habitat in eastern North Carolina | Wang, Wen J Forest biomass and species distributions under climate change in the Northeastern U.S.: accounting for effects of succession and harvest | Abdel Moniem, Hossam M Landscape genetics of a pollinator longhorn beetle [<i>Typocerus v. velutinus</i> (<i>Olivier</i>)] on a continuous habitat surface | Matthews, Stephen N Considering forest species vulnerability to climate change requires integration of current conditions and projection uncertainty | Monahan, William B Partnering to maximize landscape connectivity for climate change adaptation | Boucher, Adrienne F Effects of the urban heat island on Anurans in remnant and stormwater control ponds in the Charlotte metropolitan region | | | | | Buyantuev, Alexander B Satellite time-series analyses of dryland landscape change: A case of urbanizing Inner Mongolia in China | Cowie, Annette L How emission accounting and reporting influence perceptions of bioenergy | Nejadhashemi, A Pouyan Optimization of bioenergy crop selection and placement based on a stream health indicator |
| 2:40 PM | Armenteras, Dolores Changing patterns of fire occurrence in NW Amazon: Effect of spatial and social heterogeneity? | Glenn, Nancy F Deriving ground-based and airborne LiDAR metrics for habitat restoration on the Lower Colorado River | Duveneck, Matthew J Tradeoffs between increased gross photosynthesis and increased respiration demand under climate change | Forester, Brenna R Landscape genomics as a tool for conservation planning: The case of an endemic, montane salamander threatened by climate change | Butler, Patricia R Forest adaptation examples | Discussion | Howell, Paige E Integrating landscape resistance into spatial metapopulation models | | | | | Yu, Deyong Landscape sustainability: Mitigating and adapting to climate change in drylands via ecosystem service optimization | Coleman, Andre Opportunities and barriers for waste resource utilization in bioenergy production. | Discussion |
| 3:00 PM COFFEE BREAK | | | | | | | | | | | | | | |
| | <i>Disturbance</i> | <i>Symposium 15: LiDAR Applications (cont.)</i> | <i>Symposium 18: Infectious Disease</i> | <i>Urban IV</i> | <i>Symposium 13: Climate and Biodiversity (cont.)</i> | <i>Symposium 14: Family Forests</i> | <i>Symposium 2: Pollination and Seasonality</i> | <i>Ecosystem Services II</i> | <i>Fragmentation</i> | <i>Avian II</i> | <i>Biogeography</i> | <i>Symposium 7: Global Drylands (cont.)</i> | <i>Symposium 11: Sustainable Bioenergy Opportunities (cont.)</i> | <i>Assessment III</i> |
| 3:20 PM | Parisien, Marc The spatially varying influence of humans on fire activity in North America | Hudak, Andrew T Longleaf pine forest overstory, understory, and surface vegetation structure as characterized from airborne LiDAR and field plot data | Salzer, Johanna Introduction: landscape change and infectious disease ecology: Applications to public health | Liu, Yanxu The spatial resilience of urban green landscape in Shenzhen City, a fast growing metropolis of China | Prasad, Anantha M Combining integrated ecological modelling with genetic analysis to manage eastern hemlock populations | Mayer, Audrey L Bioenergy policies and production as prioritized by family forest owners in Upper Michigan | Betts, Matthew G Pollination in a landscape context | Zimmerman, Emily K Linking ecology & economics: Spatially targeting for diverse ecosystem service outcomes in an agricultural matrix | Frazier, Amy E Patch-based vs. gradient paradigms: Bridging the gaps to measure local forest fragmentation dynamics | Muller, John A Landscape scale habitat associations of Sprague's Pipit (<i>Anthus Spragueii</i>) overwintering in the southern United States | Urza, Alexandra K Ultimate and proximate controls on lower treeline position in the Intermountain West | Jenerette, G Darrel Sustainable landscapes at the frontier: Hot arid regions as a model for the future | Scott, Andy Balancing bioenergy benefits on the landscape with sustainable productivity challenges on sites | Farina, Almo D The Ecoacoustic Event Identification (EEI): A new tool to explore soundscapes |
| 3:40 PM | Reilly, Matthew J Biogeography of contemporary wildfires in the Pacific Northwest: Cumulative effects on landscape structure, regional forest change, and biodiversity | Fricker, Geoffrey A Predicting spatial patterns of guild diversity from LiDAR forest structure and topography in a tropical forest | CANCELLED: Park, Andrew W <i>Ecological drivers of prevalence and strain diversity of the causative agent of Lyme disease in the eastern United States</i> | CANCELLED: Namin, Sima <i>Transcending the buffer: The search for an ecological foundation for environmental justice research</i> | Anderson, Mark G Managing sites to increase climate resilience | Huff, Emily S Changing behavior of family forest owners: A longitudinal analysis of the National Woodland Owner Survey | Hadley, Adam S Pollinator location data can predict landscape resistance to movement | Zhao, Wenwu Pattern-process-service-sustainability: the changing landscape ecology | Noh, Jin K Effects of habitat fragmentation on richness of vascular plants in south-central of Chile | Robbins, Tessia O Spatial patterns of Canada lynx habitat connectivity under a changing climate | Holsinger, Lisa M Evaluating future success of whitebark pine ecosystem restoration under climate change using simulation modeling | He, Chunyang How many people in global drylands will be water-stressed under climate change and urbanization | Langholtz, Matthew H Historical review of potential landscape implications of US "Billion-Ton" supply assessments | Pearlstine, Leonard G Near-term operations forecasting for ecological decision support |
| 4:00 PM | Cattau, Megan E Fire disturbance on the peat-swap landscape in Kalimantan, Indonesia: climate change, hydrological perturbation, and anthropogenic ignitions | Mitchell, Jessica An overview of lidar for characterizing shrub structure in the western US | Anderson, Tavis K Ecological restoration and qualitative community stability determine parasite establishment and persistence | Li, Mengmeng Urban land cover and land use extraction from very high resolution remote sensing imagery | DeLuca, Bill V Wildlife landscape capability models assess vulnerability to climate change and inform landscape conservation design | Haines, Anna L Simulating residential development policies to measure forest fragmentation | Lonsdorf, Eric V Combining common sense and a landscape model to determine where we need more habitat for wild bees | Wisey, Chad B Impacts of simulated climate and land-use on grassland bird distributions | Adams, Bryce T Examining independent effects of habitat amount and fragmentation on a Neotropical migrant songbird | Voltura, Elise V Red-crowned Parrot ecological niche model in the Lower Rio Grande Valley, Texas using aerial imagery for conservation planning in an urban landscape | Cartwright, Jennifer M Islands of terrestrial biodiversity in a changing climate | Luck, Matt A A near real-time global monitor and applications of historical and medium- to long-term forecasts of hydroclimate and indicators of water stress | Efroymsen, Rebecca A Investigating sustainability issues in bioenergy resource assessments: The example of the US 2016 Billion-Ton Report | Henareh Khalyani, Azad Temporal stability in spatial suitability: Examining the assumptions of empirically fitted spatially explicit models of LULC change |
| 4:20 PM | Van Appledorn, Molly Linking spatially-explicit hydroperiod quantification and forest functional composition in Maryland Piedmont floodplains | Brubaker, Kristen M Using LiDAR to model vegetation structure and above-ground carbon storage in the critical zone | CANCELLED: Baeza, Andres A <i>Malaria population dynamics and land-use change in frontier regions</i> | Smart, Lindsey S A Bayesian approach to inform urban growth models with choice experiment data on tradeoffs facing landowners in rapidly urbanizing regions | Thompson, Frank R Linking climate, landscape, and population models to understand climate and management effects on forests and wildlife | Ma, Zhao Engaging family forest owners in the prevention and control of invasive plants in privately-owned forest landscapes: Challenges and opportunities | CANCELLED: Brosi, Berry J Optimal Design of Agricultural Landscapes for Pollination Services NEW: Pollinator recognition by a tropical plant facilitates long-distance gene transfer – Betts, Matthew | Goslee, Sarah C Shifting patterns of agricultural diversity | Wiafe, Edward D Impacts of forests fragmentation due to high voltage transmission lines on liana communities | Schaffer-Smith, Danica J Shorebird response to flood dynamics in the Sacramento Valley during migration | McGuire, Jenny L Last Glacial Maximum mammal fossils show strong mismatch with ecological niche model hindcasts: Ways to improve transferability to novel climates | Zhang, Chi Climate change effect on the ecosystem productivity of the Central Asia dryland | Stupak, Inge Creating trust and credibility in sustainability governance of bioenergy supply chains | Neale, Anne C The EnviroAtlas: Connecting ecosystems, people, and well-being |
| 4:40 PM | Tracy, James L Feature selection and transferability for Maxent and Envelope Score ecological niche models of four species of tamarisk beetles introduced to North America | Thompson, Emily S Abandonment in shrinking cities: mapping the contemporary urban landscape using LiDAR | Gottdenker, Nicole L Heterogeneities in vector and host composition in fragmented forest landscapes: Relationships to Chagas disease and cutaneous leishmaniasis transmission in Panama | Mangiante, Michael J Stream hydrologic response to increased urbanization in Mid-Atlantic watersheds | Scheller, Robert M Alternative policy scenarios under a changing climate: tradeoffs among ecosystem services in the Oregon Coast Range | Thompson, Jonathan R New England Landscape Futures: Stakeholder envisioned land-use scenarios and their impacts on the land | Harrison, Tina The landscape ecology of rare bee species | Shoemaker, Douglas A Structural equation analysis of the role of urban pattern in generating ecosystem services | Lee, Peter S New approach to a fragmentation-based estimation of development impact on forest in South Korea | Donovan, Kaley J Songbird conservation on the landscape scale in southeast Ohio's public forestland using habitat suitability index models | Fraser, Jacob S Modeling responses of Eastern U.S. forests to climate change using a forest ecosystem model | Zhao, Yuan yuan Quantifying spatiotemporal patterns of ecosystem services across landscapes: China's sandy lands | Woods, Jeremy The role of land and a bio-based economy as mediators of climate mitigation and adaptation | Starr, Scott M Using remotely sensed imagery to document how land use drives turbidity of playa waters in Texas |
| 5:00 PM | Carson, William O Acid deposition effects on yellow birch in the southern Appalachians | Discussion | Discussion | | Discussion | | Poniso, Lauren C Curbing biotic homogenization through restoration | Florence, Kuukyi S The prevalence of insects that visit cashew plant during the flowering and fruiting seasons in northern Ghana | Parks, Sean A Identifying potential migration routes under a changing climate | | | Discussion | Johnson, Kristen E Strategies to integrate sustainable bioenergy in landscape designs and synthesis of priority actions to accelerate the transition to a bio-based economy | |