



Schedule of Events

WOLVES IN A CHANGING WORLD

OCTOBER 11-14, 2018
MINNEAPOLIS, MN USA

FRIDAY, OCTOBER 12, 2018

ALL EVENTS listed in Yellow are held in the Northland Ballroom

6:30 a.m. - 8:00 a.m. — **BREAKFAST** Northland Ballroom

7:00 a.m. - 5:00 p.m. — Registration in Northland Prefunction Area

7:00 a.m. - 8:00 p.m. — Retail Sales in Northland Prefunction Area

8:00 a.m. - 5:30 p.m. — Exhibit and Poster Hours

8:00 a.m. - 5:30 p.m. — Silent Auction

8:00-8:20 **WELCOME REMARKS** Nancy jo Tubbs, Rob Schultz, Judy Hunter and Debbie Hinchcliffe

8:20-9:45 **PLENARY - WOLVES of the WORLD** with Sabina Nowak, Yadvendradev Jhala, Brent Patterson, Shannon Barber-Meyer and Dean Cluff – Moderator: Nancy Gibson

9:45-10:00 BREAK

ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	LAKE MICHIGAN
	WOLF ECOLOGY	WOLF ECOLOGY	WOLF CONSERVATION, EDUCATION & OUTREACH	WOLF-HUMAN INTERACTIONS	DISTRIBUTION OF WOLVES AROUND THE WORLD	WOLF MANAGEMENT AND POLICY
FRIDAY MORNING CONCURRENT SESSIONS	10:00-10:20 Competition on Two Legs and Four: Impacts of Wolf-Cougar Co-occurrence on Resource Selection and Survival Across an Anthropogenic Gradient Lauren Satterfield	Determining Factors Influencing Wolf Dispersal in Yellowstone National Park Quinn Harrison	Wolves: Report from the Left Coast Amaroq Weiss	Wolves, Bison, and Elk: Tension between Conservation and Commerce Across a Wild, Working Landscape Valpa Asher	Status Update for the Algonquin Wolf in Ontario Connor Thompson	The Future of Wolf Poisoning Programs in Canada Hannah Barron
	10:30-10:50 Apex Carnivore Competition: Predation Patterns of Wolves and Cougars in an Area of Sympatry Elizabeth Orning	Changing Wolf Territories: Decadal Change in Home Ranges of Indian Wolf in Deccan Landscape of Maharashtra Shaheer Kahn	Building a Global Wolf Centre of Excellence. Volker Beckmann	Individuality in Habitat Use of Scandinavian Wolves in Relation to Anthropogenic Infrastructure. David Carricondo-Sanchez	Mexican Wolf Project: Two Decades of Successful Recovery Efforts John Oakleaf	From Systematically Distorted Communication to Deliberation, Empowerment and Sociopolitical Recognition – Experiences from the Danish Wolf Dialogue Project Hans Peter Hansen
	11:00-11:20 Patterns of Niche Partitioning and Overlap between Sympatric Wolves and Snow Leopards in the Mountains of Central Asia Shannon Kachel	Wolf Density Correlates with Increased Disease Transmission in Yellowstone National Park Compared to Minnesota Ellen Brandell	Wolf Rescue, Rehabilitation, and Release Efforts as a Tool for Species Conservation Robert Myslajek	Wolf Depredations in Minnesota John Hart		Adaptive Use of Nonlethal Strategies for Minimizing Wolf-Livestock Conflict Suzanne Stone
11:30-1:00	LUNCH in the Northland Ballroom					
12:15-12:45	POSTER SESSION Q & A					
12:15-12:45	Music Inspired by Wolves William Neil	Non-Lethal Methods of Preventing Livestock Depredation. Suzanne Stone				

1:00-2:00	PLENARY - ELLESMERE ISLAND with Dave Mech, Dan MacNulty, Morgan Anderson and Kira Cassidy – Moderator: Dean Cluff					
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	LAKE MICHIGAN
	WOLF ECOLOGY	WOLF ECOLOGY	WOLF CONSERVATION, EDUCATION & OUTREACH	WOLF-HUMAN INTERACTIONS	DISTRIBUTION OF WOLVES AROUND THE WORLD	WOLF MANAGEMENT AND POLICY
FRIDAY AFTERNOON SESSIONS	2:10-2:30	Howling Demands: The Role of Psychobiological Mechanisms of Sociability in Approval and Censorship Behaviors in Wolf Packs Matheus de Mesquita Silveira	Wisconsin's Volunteer Carnivore Tracking Program: A Citizen Science Success Story Adrian Wydeven	In Between the Wolf and the Dog: Shaping Perceptions of Wolf Conservation in the Anthropocene Austin Hoffman	From Kishinena to POM: Wolf Recovery in the Rocky Mountains, USA Diane Boyd	Challenges in Wolf Management in Croatia Josip Kusak
	2:40-3:00	Where and How Are Wolves Ambushing Beavers? Thomas Gable	Are Livestock Guarding Dogs a Viable Tool for Preventing Damages in Open Range Livestock? A Case Study from Portugal Francisco Petrucci-Fonseca		The Current Situation of Wolf-Restoration in Japan Narumi Nambu	Population Estimates and Distribution of Wolves in Minnesota Dan Stark
3:00-3:15	BREAK					
3:15-4:00	DEBATE-MEXICAN WOLF RECOVERY PLAN with Jim Heffelfinger and Mike Phillips – Moderator: Nancy jo Tubbs					
4:10-5:30	SPECIAL PRESENTATION: 20 YEAR HISTORY of WOLVES in YELLOWSTONE with Doug Smith and Bob Landis – Moderator: Shannon Barber-Meyer					
5:30	DINNER ON YOUR OWN					

SATURDAY, OCTOBER 13, 2018

6:30 a.m. - 8:00 a.m. — **BREAKFAST** in Northland Ballroom

7:00 a.m. - 9:00 p.m. — Retail Sales in Northland Prefunction Area

8:00 a.m. - 5:15 p.m. — Educator Day (Registration in the Northland Prefunction area starting at 7:00 a.m.)

8:00 a.m. - 5:15 p.m. — Exhibit and Poster Hours

8:00 a.m. - 9:00 p.m. — Silent Auction

8:00-9:00	PLENARY - ISLE ROYALE PANEL with John Vucetich, Mark Romanski and Joe Bump – Moderator: Doug Smith					
9:00-9:45	PLENARY - MICHIPICOTEN ISLAND with Brent Patterson – Moderator: Dick Thiel					
9:45-10:00	BREAK					
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	LAKE MICHIGAN
	WOLF ECOLOGY	WOLF ECOLOGY		WOLF-HUMAN INTERACTIONS	EMERGING RESEARCH AND TECHNOLOGIES	EDUCATOR WORKSHOP
SATURDAY MORNING SESSIONS	10:00-10:20	Wolf Dietary Shifts in a Changing Landscape: Linking Marine and Terrestrial Food Webs in Southeast Alaska Gretchen Roffler	Wolf-Beaver Interaction: New Insights and Future Directions Thomas Gable	Measuring Hunting Impacts on Gray Wolf Population, Social Structure, and Long-term Research in Yellowstone National Park Kira Cassidy	Risk Effects of Wolves on Free-ranging Livestock: Can Prey Gut Microbiome Predict Stress Response in Predator-prey Interactions? Azzurra Valerio	
	10:30-10:50	Simpson's Paradox Reverses Apparent Non-consumptive Effect of Wolves Dan MacNulty	Dietary Niche Overlap between Wolves, Coyotes, and Hybrids in a 3-Species Hybrid Zone John Benson	Wolf Responses to Experimental Approaches by Humans along a Gradient of Anthropogenic Impact: A Pilot Study Ane Eriksen	Through the Eyes of a Wolf: Quantifying and Classifying the Complexities of Facial Signalling in Wolves. Elana Hobkirk	

SATURDAY MORNING SESSIONS						
11:00-11:20	On the Way to Independence: Ebbing Cohesion in Scandinavian Wolf Family Groups Kristoffer Nordli	Hunting at the Fence: How Wolves Use Forestry Enclosures to Kill Their Prey Katarzyna Bojarska		Wolf Management Practices in Western Canada: Managers' Perspectives and Recommendations for Improvement Victoria Lukasik	Quantifying the Diet of the Alexander Archipelago Wolf in Southeast Alaska Using Molecular Methods Aimee Massey	
11:30-11:50	Ecology of Indian Grey Wolf (<i>Canis lupus pallipes</i>) in the Suleman Range, South Waziristan, Pakistan Tariq Mahmood	Where Wolves Kill White-Tailed Deer Fawns Austin Homkes		Humans and Their Role in Shaping the Ecological Functions of Wolves Thomas Newsome	Efficacy of Acoustic Triangulation for Gray Wolves (<i>Canis lupus</i>) Jordyn O'Gara	
12:00-1:30	LUNCH in the Northland Ballroom					
12:45-1:15	Music Inspired by Wolves William Neil	Non-Lethal Methods of Preventing Livestock Depredation Suzanne Stone				
12:45-1:15	POSTER SESSION WITH Q & A					
1:30-3:00	PLENARY - WOLF DEPREDATION CONTROL on LIVESTOCK with Carter Niemeyer, Cameron Krebs, David Ruid, Amaroq Weiss, and John Steuber – Moderator: John Erb					
3:00-3:15	BREAK					
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	LAKE MICHIGAN
		WOLF ECOLOGY	WOLF CONSERVATION, EDUCATION & OUTREACH	EMERGING RESEARCH AND TECHNOLOGIES	DISTRIBUTION OF WOLVES AROUND THE WORLD	WOLF MANAGEMENT AND POLICY
3:15-3:35		How Much and How Often do Wolves Eat? Dave Mech	Wolves in the Bible as Shaping Human Perception and Attitudes Sidney Blankenship	Determining Wolf Pup Survival in Minnesota: Methods and Preliminary Results Shannon McNamara	Wolf? Attacks during 1600-1700s Japan and Modern Implications Hiroshi Asakura	The Potential for Wolf Recovery in the Grand Canyon Region Emily Renn
3:45-4:05		Predation by Wolves on Elk in Northern Yellowstone and the Unfolding Story of Wolf-Elk Population Dynamics in a Multi-Prey Environment Matthew Metz	A New Wave of Advocacy through Education Betsy Klein and Paula Ficara	Comparison of Cardiac Monitoring Data between Three Cohorts of Wolves Using a Subcutaneous Cardiac Monitor Peggy Callahan	Grey Wolves in Estonia: An Overview of Population Genetics and Hybridization with Domestic Dogs Liivi Plumer	Damages to Livestock and the Use of Preventive Measures: Key Issues for the Wolf Restoration in Spain Juan Carlos Blanco
4:15-4:35		Wolf Predation on Calves and Its Impact on the Declining Moose Population in Northeastern Minnesota William Severud	Shooting Wolves: Photographs and the Reconfiguration of the Wolf in Nonfiction for Children Debra Mitts-Smith	Using Multiple and Innovative Methods to Survey Expanding Wolf Populations: An Example from Portugal Francisco Petrucci-Fonseca	Sedentary but Not Dispersing Wolves (<i>Canis lupus</i>) Recolonizing Western Poland (2001–2016) Conform to the Predictions of a Habitat Suitability Model Sabina Nowak	Your Science: A Powerful Force for Advocacy Ryan Valdez and Christine Goepfert
4:45-5:05		Winter Predation Patterns of Wolves in Northwestern Wyoming Susannah Woodruff	How to Catch or Lose Your Audience in Science Communication Cay Leytham-Powell	Comparing Context-Specific Cardiac Modulation in Wolves and Dogs Kim Kortekaas	Grey Wolves in Mongolia – Changing Attitudes and Current Research Uuganbayar Ganbold	
5:30-6:30	PRE-BANQUET SOCIAL HOUR with CASH BAR					
6:30-8:30	BANQUET - LAST GREAT WOLF RESTORATION: COLORADO with Mike Phillips – Introduction by Dave Mech. Comments by Rob Schultz and Presentation of Who Speaks for Wolf Award by Deb Lewis.					
8:30-10:30	DANCE with DJ for all symposium attendees					

SATURDAY AFTERNOON SESSIONS

SUNDAY, OCTOBER 14, 2018

6:30 a.m. - 8:00 a.m. — **BREAKFAST** in Northland Ballroom

7:00 a.m. - 10:00 a.m. — Retail Sales in Northland Prefunction Area

8:00-9:15						
PLENARY - RED WOLVES, EASTERN WOLVES AND CANIS MIXES IN EASTERN NORTH AMERICA: TAXONOMIC VALIDITY AND CHALLENGES TO RECOVERY with Pete Benjamin, Roland Kays, Lisette Waits, Regina Mossotti and Kim Wheeler — Moderator: Brent Patterson.						
ROOM	ELM CREEK	HENNEPIN I	HENNEPIN II	HENNEPIN III	ARBOR LAKES	LAKE MICHIGAN
	WOLF ECOLOGY	WOLF ECOLOGY	WOLF CONSERVATION, EDUCATION & OUTREACH	WOLF-HUMAN INTERACTIONS	WILDLANDS AND ECOSYSTEMS	
SUNDAY MORNING SESSIONS	9:25-9:45	Density-Dependent Age at First Reproduction in a Recolonizing Wolf Population Camilla Wikenros	Wolf Survival over 50 Years - Does Wilderness Matter? Shannon Barber-Meyer	Applying Lessons from Wolf Management to an Australian Canid – The Importance of People Lily van Eeden	The Benefits of Livestock Guardian Dogs. Not Just a Matter of Cost-Effectiveness. Vicente Palacios	Functional Response of Wolves to Human Development across Boreal Canada Marco Musiani
	9:55-10:15	Secret Lives of Himalayan Wolves: Distribution, Diet and Movement of the Highest Wolves of the World Salvador Lyngdoh	Wolf Population Regulation in Yellowstone: Survival, Recruitment, Dispersal or Human Exploitation? Doug Smith		Which Wolves Did Hunters Kill? Assessing Potential for Breeder Loss in the 2012-2014 Wolf Harvests in Minnesota and Michigan, USA. Jordan Pruszenski	Density-Dependent Habitat Selection and Survival in Recolonizing Wolves Shawn O'Neil
	10:15-10:30	BREAK				
SUNDAY AFTERNOON SESSIONS	10:30-10:50	Opportunity and Peril: How Wolves (<i>Canis lupus</i>) Use a Dense Forest Road Network Joanna Sulich	Where the Wild Genes Are: A Molecular Perspective on Wariness Kathryn Lord			An Eighteen Year Spatial and Temporal Analysis of Colonizing Gray Wolves (<i>Canis lupus</i>) in a Disjunct Population Theresa Simpson
	11:00-11:20	Population Biology of Wolf Recovery in the Great Lakes Region Tim Van Deelen	As a Matter of Scat: Gray Wolf Genetic Diversity in the Great Lakes Region Lucas Price	The Roles of Cross-Fostering in the Conservation of Mexican Wolves Regina Mossotti and Jackie Fallon	Wolf Movement Relative to Human Structures During Natal Dispersal Ane Eriksen	Wolf Tracks at the Doorstep: A One-Year Cycle of Wolf Behavior Close to Houses in Scandinavia Barbara Zimmermann
	11:30-11:50	Effects of Snow and Seasonal Ungulate Prey Migrations on Wolves and Human-Wolf Conflicts in Scandinavia Petter Wabakken	Rise of the Black Wolf: Evolutionary History and Selection for the Black Coat Color Gene in North American Wolves Dan Stahler	Wolves at Our Door: Results of 4-Year Minnesota Education Program Initiative Misi Stine	Challenging the Wildlife Decision-Making Infrastructure Walter Medwid	
	12:00-1:00	KEYNOTE: WOLF FACTS, FALLACIES, FABLES, AND FAKE NEWS by Dave Mech – Introduction by Rob Schultz				
	1:00-1:15	CLOSING REMARKS Rob Schultz, Nancy Jo Tubbs, Judy Hunter and Debbie Hinchcliffe				
	1:15	SYMPOSIUM CLOSE				

Funding for the International Wolf Symposium 2018– Wolves in a Changing World has been provided by:

National Parks Conservation Association, Turner Endangered Species Fund, Camp Van Vac, Cornelia Hutt and the Red Wolf Coalition, Wolves of the Rockies

Board of Directors Support: Cree Bradley, Cindy Carvelli-Yu, Rick Duncan, Fitz Fitzgerald, Nancy Gibson, Debbie Hinchcliffe, Judy Hunter, Deb Lewis, Dave Mech, Mike Phillips, Debbie Reynolds, Jerry Sanders, Paul Schurke, Nancy Jo Tubbs



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