

THURSDAY 17 JULY

10:00 am

077. Biogeography (2)

Convention Center, Ballroom E

- 10:00 BIOGEOGRAPHIC RELATIONSHIPS AND THREATS ASSOCIATED WITH MARINE FISH FAUNAS AT FOUR WORLD HERITAGE SITES IN THE EASTERN TROPICAL PACIFIC *Graham Edgar; Stuart Banks; Sandra Bessudo; Monica Calvopiña; Jorge Cortes; Hector Guzman; Scott Henderson
- 10:15 ENDEMISM, EVOLUTIONARY HISTORY, AND THREATENED SPECIES IN BIODIVERSITY HOTSPOTS *Will Turner; Russell Mittermeier; Thomas Brooks; Gustavo A. B. da Fonseca; Michael Hoffmann; John Lamoreux; John Pilgrim; Ana Rodrigues
- 10:30 INVESTIGATING DATA QUALITY WHEN MAKING RANGE PREDICTIONS FOR ALIEN PLANT INVADERS *Rene Wolmarans
- 10:45 NULL MODEL SOFTWARE FOR INFORMING CONSERVATION POLICY *Joshua Ladau; *Sadie Ryan
- 11:00 PARASITE DIVERSITY AND HOST DIVERSITY: A CASE STUDY FROM NORTH AMERICAN CARNIVORES *Nyeema Harris
- 11:15 SEEK AND YE SHALL FIND THE MISSING BIRDS IN THE AMAZON *Mariana M Vale; Clinton N Jenkins; Stuart L. Pimm
- 11:30 THREAT, VULNERABILITY AND RANGE COLLAPSE IN WIDE-RANGING MAMMAL SPECIES *Charles Brandon Yackulic; Eric W. Sanderson
- 11:45 THREATENED BIRDS IN THE AMAZON: WHICH WILL BE NEXT AND WHERE WILL THEY BE? *Mariana M. Vale; Mario Cohn-Haft; Scott Bergen; Stuart L Pimm

078. Taxa Conservation (2)

Convention Center, Ballroom F

- 10:00 A SPATIALLY-EXPLICIT APPROACH TO MIGRATORY BIRD CONSERVATION IN CALIFORNIA *Dick Cameron; Diana Stralberg; Mark Reynolds; Kirk Klausmeyer; Sylvia Busby
- 10:15 BEHAVIORAL CHANGES OF OVERWINTERING MONARCH BUTTERFLIES IN RESPONSE TO FOREST CHANGES IN THE MONARCH BUTTERFLY BIOSPHERE RESERVE FROM 1977 TO 2008 *Lincoln P. Brower
- 10:30 FOREST EDGE EFFECTS ON THE PHYSIOGNOMY OF MICROHABITATS IN BWINDI IMPENETRABLE NATIONAL PARK (BINP) AND ON THE BEHAVIORAL ECOLOGY OF L'HOEST'S MONKEYS *Tharcisse Ukizintambara; Beth A. Kaplin
- 10:45 INTEGRATING GEOGRAPHY AND MICROCLIMATOLOGY TO EVALUATE THE PHYSIOLOGICAL SUITABILITY OF SITES SELECTED BY OVERWINTERING MONARCH BUTTERFLIES IN MEXICO *Daniel Slayback; Linda S. Fink; Lincoln P. Brower; M. Isabel Ramirez
- 11:00 USING DATA FROM MUSEUM SPECIMENS TO BUILD A PRELIMINARY CONSERVATION ASSESSMENT OF SPECIES *Gary A. Krupnick; W. John Kress; Warren L. Wagner
- 11:15 VARIATION IN LIPID RESERVES AS AN INDICATOR OF THE CONDITION OF MIGRATING AND OVERWINTERING MONARCH BUTTERFLIES *Linda S. Fink; Lincoln P. Brower; M. Isabel Ramirez
- 11:30 WHAT IS THE TAXONOMIC STATUS OF THE FEDERALLY LISTED ENDANGERED SPECIES AGALINIS ACUTA (OROBANCHACEAE)? *James Pettengill; Maile Catherine Neel
- 11:45 DISCUSSION

079. Ecosystem / Conservation Area Management

Convention Center, Ballroom G

- 10:00 CONTRIBUTE TO THE UNDERSTANDING OF THE RELATIONSHIP BETWEEN CHERRY ORCHARD MANAGEMENT AND THE CONSERVATION OF AN ENDEMISM (ASPHODELUS BENTO-RAINHAE) *Fabiola Sabino Gil; Isabel Maria Rodrigues; Tomaz Ponce Dentinho
- 10:15 FROM WATER TO DESERT: UNDERSTANDING ELEPHANT BIOSPHERES TO MANAGE IMPACTS *Marietjie Landman; Graham IH Kerley; Anthony J. Hall-Martin
- 10:30 GEO BON: A GLOBAL BIODIVERSITY OBSERVATION NETWORK *Woody Turner
- 10:45 LANDSCAPE UNITS REDUNDANCY IS NOT AN OPTION ACROSS A BORDER *Uri Shanas
- 11:00 PLANNING FOR REALITY - WHOSE REALITY? CONSERVATION PLANNING AND ACTION IN THE MALOTI DRakensBERG TRANSFRONTIER CONSERVATION AREA *Brent Corcoran
- 11:15 PROTECTED AREA MANAGEMENT EFFECTIVENESS, THE CASE STUDY OF RWANDA IN AFRICA *Eugene Rutagarama
- 11:30 SHORT-TERM EFFECTS OF DISTURBANCE ON BREEDING BIRDS IN AN UPLAND PINE-HARDWOOD FOREST *Jill Wick; Yong Wang; Callie Callie Schweitzer
- 11:45 WHAT FACTORS DETERMINE HOW MARINE SPECIES RESPOND TO AREA-BASED MANAGEMENT? *Sian Kristina Morgan; Hussein Alinda

080. Mammal Conservation (2)
Convention Center, Ballroom H

- 10:00 ACTIVITY BUDGET AND GROUP DYNAMICS OF GREVY'S ZEBRA (EQUUS GREVYI, OUSTALET 1882) ON SAMBURU COMMUNITY RANGELANDS, KENYA *Kivai Stanislaus Mulu; Nicholas Otienoh Ogue; Muoria Paul Kimata; Afework Bekele
- 10:15 ASSESSING CONNECTIVITY OF WILDLIFE POPULATIONS IN TANZANIA: TOO LITTLE, TOO LATE, OR JUST IN TIME? *Clinton Wakefield Epps; Benezeth Mutayoba; Samuel K. Wasser; Justin S. Brashares
- 10:30 ASSESSMENT OF SEASONAL REPRODUCTIVE TRAITS IN A WILD MONGOLIAN FELID, THE PALLAS' CAT (OTOCOLOBUS MANUL) Bariushaa Oyuntuya; *William Swanson; Bariushaa Munkhtsog; Steve Ross; Meredith Brown; Amanda Fine; Ravchig Samiya
- 10:45 CONSERVATION OF NEOTROPICAL CARNIVORES UNDER DIFFERENT PRIORITIZATION SCENARIOS: MAPPING SPECIES TRAITS TO MINIMIZE CONSERVATION CONFLICTS *Rafael D. Loyola; Guilherme Oliveira; José Alexandre F. Diniz-Filho; Thomas M. Lewinsohn
- 11:00 ECOLOGY AND CONSERVATION OF CROSS RIVER GORILLA IN BOSHI MOUNTAIN PORTION OF THE CROSS RIVER NATIONAL PARK, NIGERIA *Ernest Ike Nwufoh
- 11:15 ENERGETIC MODELS OF SPECIES ABUNDANCE FOR CONSERVATION *Hamish Alexander Colin Wilman; Walter Jetz
- 11:30 GENETIC EXAMINATION OF RECENT DEMOGRAPHIC HISTORY IN AFRICAN ELEPHANT POPULATIONS: POACHING OR CLIMATE? *Jason Munshi-South; George Wittemyer; Elizabeth Archie
- 11:45 USING GIS AND ROADKILL DATA TO IDENTIFY HABITAT CHARACTERISTICS ASSOCIATED WITH NORTH AMERICAN BADGER MOVEMENT PATTERNS AND EVALUATE CORRIDOR MODELS *Tanya Diamond; Shannon Bros

081. Environmental Sociology and Population Viability Analysis
Convention Center, Ballroom I

- 10:00 BEYOND THE CATSKILLS: PRESCRIBING ECOSYSTEM SERVICE PROJECTS THAT ALIGN CONSERVATION AND DEVELOPMENT GLOBALLY Heather Tallis; Rebecca Goldman; *Melissa Uhl; Berry J. Brosi
- 10:15 EVIDENCE FOR A FUNDAMENTAL AND PERVERSIVE SHIFT AWAY FROM NATURE-BASED RECREATION *OLIVER R. W. PERGAMS; Patricia A. Zaradic

- 10:30 OIL AND GAS DEVELOPMENT IN TRINIDAD: A SURVEY OF FACTORS INFLUENCING ENVIRONMENTAL ATTITUDES WITHIN THREE RURAL WETLAND COMMUNITIES *Brenda Nordenstam; April Baptiste; Richard Smardon
- 10:45 PROTECTED PATCHES: FARMERS AND CROP-RAIDING AROUND CYAMUNDONGO FOREST, RWANDA *Rachel Kathryn Zapf McShane
- 11:00 MANAGEMENT PRIORITIES FOR 700 OF NEW ZEALAND'S MOST THREATENED SPECIES: A COST-EFFECTIVENESS APPROACH TO PRIORITY SETTING *Liana N. Joseph; Richard Maloney; Hugh Possingham
- 11:15 DEVELOPMENT OF A SELF-SUSTAINING, VIABLE CAPTIVE POPULATION OF GIANT PANDAS *Kathy Traylor-Holzer; Jonathan D. Ballou; Xie Zhong; Zhang Zhihe
- 11:30 METAPOPOPULATION VIABILITY OF THE GOLDEN-CHEEKED WARBLER UNDER A CONSERVATION INCENTIVE PROGRAM *Katherine Maureen Strickler; Jon S. Horne
- 11:45 THE ANATOMY OF A DISASTER: VOLCANOES, BEHAVIOR AND LIFE HISTORY OF THE SHORT-TAILED ALBATROSS (PHOEBASTRIA ALBATRUS) *Myra E. Finkelstein; Shaye Wolf; Mary Goldman; Paul R Sievert; Greg Balogh; Hiroshi Hasegawa; Daniel Doak

**082. Conservation Genetics (3)
Convention Center, Ballroom J**

- 10:00 AN ASSESSMENT OF GENETIC DIVERSITY AND GENE FLOW AMONG SWIFT FOX POPULATIONS IN THE UNITED STATES *Donelle Schwalm
- 10:15 ASSESSING THE EXTENT OF HYBRIDIZATION BETWEEN SYMPATRIC RED WOLVES (CANIS RUFUS) AND COYOTES (CANIS LATRANS) IN COASTAL NORTH CAROLINA *Justin Howard Bohling; Lisette Waits
- 10:30 CLASSIFYING ENDANGERED GILA ELEGANS INTO FAMILIES BASED ON MICROSATELLITE DNA GENOTYPES *Allan Strand; Connie Keeler-Foster
- 10:45 WITHDRAWN
- 11:00 CONSERVATION, CONFLICTS AND COMPROMISE; RECOVERY OF THE VULNERABLE BANKOUALÉ PALM LIVISTONA CARINENSIS FROM DJIBOUTI, SOMALIA AND YEMEN. *Alison Shapcott; John L. Dowe; Henry Ford
- 11:15 EFFECTS OF INBREEDING UNDER VARIOUS ENVIRONMENTAL CONDITIONS IN A WILD POPULATION OF NEW ZEALAND ROBINS *Rebecca Laws; Ian Jamieson
- 11:30 LOSS OF LOCAL ADAPTATION IN WILD SALMON RESULTING FROM INTERBREEDING WITH ESCAPED FARMED SALMON *Dylan John Fraser; Jeffrey Hutchings
- 11:45 POPULATION GENETICS AND CONSERVATION OF ROANOKE LOGPERCH (PERCINA REX), AN ENDANGERED STREAM FISH *James H. Roberts; Daniel J. Dutton; Joanne E. Davis; Paul L. Angermeier; Eric M. Hallerman

083. Symposium: Connecting Ecological and Socioeconomic Monitoring to Management for Marine Protected Areas in California's Channel Islands

Convention Center, Meeting Room 13/14

Organized by: Satie Airame

- 10:00 HAS FISHING ALTERED COMMUNITY STABILITY & SPECIES INTERACTION STRENGTHS IN SOUTHERN CALIFORNIAN KELP FORESTS? *Anne K. Salomon; Nick Shears; Steve Katz; David Kushner
- 10:15 CAN MARINE RESERVES PROTECT BOTH HARVESTED PREDATORS AND THEIR PREY? *Nick Shears; David Kushner; Laura Rogers-Bennett; Anne K. Salomon
- 10:30 CHANGES IN FISH POPULATIONS AND COMMUNITIES IN CALIFORNIA MARINE RESERVES *Satie Airame; Jenn Caselle; Scott Hamilton; Konstantin A. Karpov
- 10:45 USING SCUBA MONITORING DATA FROM THE CHANNEL ISLANDS TO INFER METRICS FOR FISHERIES

MANAGEMENT *Elizabeth A. Babcock; Jenn Caselle

- 11:00 COMMUNITY-BASED COLLABORATIVE FISHERY RESEARCH: ASSESSING IMPACTS OF THE CHANNEL ISLANDS MPAS *Matthew C. Kay; Hunter S. Lenihan; Chris Miller
- 11:15 SOCIOECONOMIC CHANGES IN THE CALIFORNIA SPINY LOBSTER COMMERCIAL LOBSTER FISHERY AROUND THE CHANNEL ISLANDS AND ALONG THE SANTA BARBARA COAST *Carla Marie Guenther; Hunter S. Lenihan
- 11:30 DESIGNING CALIFORNIA'S MPAS WITH WEB-BASED TOOLS *Will McClintock; Matt Merrifield; David Greenberg
- 11:45 PANEL DISCUSSION

**084. Symposium: Conserving the World's Great Lakes: Lessons and Opportunities in an Era of Increasing Water Scarcity
Convention Center, Meeting Room 4/5**

Organized by: J. David Allan; Peter Biek McIntyre

- 10:00 AQUATIC ANIMAL DIVERSITY IN THE WORLD'S GREAT LAKES *Peter Biek McIntyre; Yvonne Vadeboncoeur; M. Jake Vander Zanden
- 10:30 VALUING ECOSYSTEM SERVICES OF GREAT LAKES *Stephen Polasky
- 11:00 IMPACTS OF FISHING ON BIODIVERSITY AND ECOSYSTEM STABILITY IN GREAT LAKES *Dismas Mbabazi; Oliva Charles Mkumbo; John Casselman; William Oweke Ojwang
- 11:30 CHEMICAL CONTAMINATION AND IMPLICATIONS FOR THE GREAT LAKES OF THE WORLD. *Linda Campbell
- 1:30 INVASIVE SPECIES: GREAT IMPACTS IN GREAT LAKES *David M Lodge
- 2:00 GLOBAL WARMING EFFECTS ON GREAT LAKES FISH COMMUNITIES: COMMON CAUSE, COMMON IMPACTS *Robert E. Hecky
- 2:30 POLICY OPORTUNITIES AND STRATEGIES FOR CONSERVATION: ANALYZING APPROACHES TO SUSTAINABILITY IN GOVERNANCE OF AFRICAN AND NORTH AMERICAN GREAT LAKES *Tracy A. Dobson
- 3:00 MANAGEMENT OPPORTUNITIES AND STRATEGIES IN GREAT LAKES *Tim Eder; Katherine Glassner Shwayder; Erika Jensen

1:30 pm

**085. Forest Conservation (3)
Convention Center, Ballroom E**

- 1:30 BROKEN LAWS AND PATCHY LANDSCAPES: ENFORCEMENT AUTHORITY AND VEGETATION CHANGE AT KUMBHALGARH WILDLIFE SANCTUARY, RAJASTHAN INDIA *Paul F. Robbins
- 1:45 CHANGE IN UNDERSTORY PLANT COMMUNITIES OVER 30 YEARS IN HISTORICALLY LOGGED AND UNLOGGED FORESTS OF GREAT SMOKY MOUNTAINS NATIONAL PARK *Windy A. Bunn; Michael A. Jenkins; Claire B. Brown; Nathan J. Sanders
- 2:00 VENEZUELAN TROPICAL DRY FOREST EXTINCTION RISK, THREATS, AND FUTURE PROSPECTS *Jon Paul Rodriguez; Jafet M. Nassar; Kathryn M. Rodriguez-Clark; Irene Zager; Carlos A. Portillo-Quintero; Fabian Carrasquel; Sergio Zambrano
- 2:15 EXAMINING CHANGE IN FORESTS AND WETLANDS IN AND AROUND KIBALE NATIONAL PARK, UGANDA Joel Hartter; *Sadie Ryan; Jane Southworth
- 2:30 FOREST TREE AND FERN SPECIES AS INDICATORS OF AN UNNATURAL FIRE EVENT IN MULANJE MOUNTAIN FOREST RESERVE, MALAWI *Jamestone Smion Kamendo
- 2:45 MANAGING FOR FIRE AND BIODIVERSITY IN THE PACIFIC NORTHWEST: A COMPARISON OF FEDERAL

AND FAMILY FOREST LANDS *Susan Charnley; A. Paige Fischer

- 3:00 SUCCESSES & FAILURES IN INTRODUCING ENERGY PLANTATION IN TWO VILLAGES FOR REDUCING PRESSURE ON NATURAL RESOURCES OF AYUBIA NATIONAL PARK-PAKISTAN *Adnan Muhammad
- 3:15 TEMPORAL AND SPATIAL VARIATIONS OF HABITAT ASSOCIATIONS OF FALL MIGRATING SONGBIRDS AT AN INLAND SITE IN NORTHERN ALABAMA USA *Lisa Gardner Barillas; Yong Wang

086. Protected Area Planning and Design (2)

Convention Center, Ballroom F

- 1:30 ECOSYSTEM SERVICES IN THE CENTRAL INTERIOR OF BC: A SPATIALLY EXPLICIT STUDY OF THEIR VALUE IN CONSERVATION PLANNING *Lara Hope Hoshizaki; Kai M. A. Chan; Brian Klinkenberg
- 1:45 FROM CONSERVATION PLANNING TO ACTION: WHAT'S INVOLVED IN IMPLEMENTATION? *Madeleine Bottrill; Bob Pressey
- 2:00 HOW MUCH TIME AND MONEY TO SPEND ON ECOLOGICAL DATA FOR CONSERVATION PLANNING? *Hedley Grantham; Kerrie Wilson; Bob Pressey; Atte Moilanen; Tony Rebelo; Hugh Possingham
- 2:15 IDENTIFICATION OF NATIONAL PRIORITY AREAS FOR PROTECTED AREA EXPANSION IN SOUTH AFRICA *Zuziwe Rostina Jonas; Stephen Holness; Jeanne Nel
- 2:30 KEY BIODIVERSITY AREAS, IMPORTANT BIRD AREAS, AND ALLIANCE FOR ZERO EXTINCTION SITES AS A BASIS FOR NATIONAL GAP ANALYSIS *Matthew N. Foster; Michael J. Parr
- 2:45 MARXAN AND ZONATION: TOOL SELECTION AND IMPACT ON CONSERVATION AREA DESIGN *Dan Bruce Segan; Doug Ward; Bob Pressey; Hugh Possingham
- 3:00 PROTECTED AREA ESTABLISHMENT AND THE ENDOGENOUS EFFECT OF RESIDENTIAL DEVELOPMENT *Daniel Boyd Kramer; Patrick Doran
- 3:15 SIMULATING THE EFFECTS OF USING DIFFERENT TYPES OF SPECIES DISTRIBUTION DATA IN RESERVE SELECTION: A CASE STUDY USING THE IBERIAN HERPETOFAUNA *Silvia Carvalho; José Carlos Brito; Bob Pressey; Eduardo Crespo; Hugh Possingham

087. Ecosystems

Convention Center, Ballroom G

- 1:30 INTRAGUILD INTERACTIONS BETWEEN SUBSIDIZED PREDATORS AND NATIVE CARNIVORES: CONSERVATION IMPLICATIONS FOR ENDANGERED SPECIES OUTSIDE PROTECTED AREAS *Abi Tamim Vanak; Matthew E. Gompper
- 1:45 MORTALITY OF VERTEBRATES ON A ROAD CROSSING THE BIEBRZA VALLEY (NE POLAND) *Jakub Gryz; Dagny Natalia Krauze
- 2:00 NATIVE PLANT SPECIES DISTRIBUTION IN A HIGHLY-INVADED, NON-EQUILIBRIUM CALIFORNIA GRASSLAND *Sasha Gennet; Guillermo Gea-Izquierdo; James W. Bartolome; Michele Hammond; Peter Hopkinson
- 2:15 PLATEAU PIKA (LAGOMORPHA: OCHOTONA CURZONIAE) DISTURBANCE ALTERS PLANT SPECIES DIVERSITY AND COMPOSITION IN PASTURELAND ON THE TIBETAN PLATEAU *Brigitte W. Hogan; Andrew Smith; Yanming Zhang
- 2:30 STRATEGIC PLANNING FOR CONSERVATION OF WETLANDS IN POBITORA WILDLIFE SACTUARY -THE LAND OF HIGHEST DENSITY OF ONE HORNED RHINOCEROS IN THE WORLD. *Arup Kumar Hazarika
- 2:45 THE IMPORTANCE OF TEMPORARY PONDS FOR THE CONSERVATION OF INSECTIVOROUS BATS IN DESERT ENVIRONMENTS *Orly Nechama Razgour; Carmi Korine; David Saltz
- 3:00 WITHDRAWN
- 3:15 WINTERING HABITAT SELECTION OF SIBERIAN CRANES AT TWO SPATIAL SCALES WITHIN POYANG LAKE NATIONAL NATURE RESERVE *James Burnham

088. Recovery of Endangered Species

Convention Center, Ballroom H

- 1:30 ADAPTING MANAGEMENT FOR RECOVERY OF SPECIES AT RISK IN NATIONAL PARKS: THE CASE OF THE PIPING PLOVER (*CHARADRIUS MELODUS MELODUS*) IN ATLANTIC CANADA Livia Goodbrand; *Deborah Austin
- 1:45 ARE RE-INTRODUCTIONS AN EFFECTIVE METHOD FOR MITIGATING DECLINES IN VASCULAR PLANT SPECIES? *Sarah Dalrymple; Gavin Stewart
- 2:00 GENETICS AND POPULATION STRUCTURE OF AN ENGLISH YEW GENE CONSERVATION FOREST AT FOOTHILLS OF THE EASTERN ALPINE MOUNTAINS Raphael Thomas Klumpp; *Amalesh Dhar; Bernhard Aigner; Herwig Ruprecht; Harald Vacik
- 2:15 GYPS JOURNEY FROM MOUNTAINS TO THE SEA. *Kartik B. Shastri
- 2:30 LONG-TERM SURVIVAL OF TRANSLOCATED GOPHER TORTOISES: A COMPARISON OF NEWLY RELEASED ANIMALS AND PREVIOUSLY ESTABLISHED RESIDENTS *Tracey Dianne Tuberville; Terry M. Norton; Brian D. Todd; Jeffrey S. Spratt
- 2:45 PATCH CONNECTIVITY AND GENETIC DIVERSITY CONSERVATION *Maile Catherine Neel
- 3:00 PROTECTED AREAS HAVE NOT HALTED THE DECLINE OF THE THREATENED FLORIDA SCRUB-JAY (*APHELOCOMA COERULESCENS*) *Raoul Boughton; Reed Bowman
- 3:15 USING INCENTIVES TO RECOVER THE THREATENED UTAH PRAIRIE DOG *Ted Toombs

089. Population Dynamics

Convention Center, Ballroom I

- 1:30 HEARD BUT NOT SEEN: USING SIGNATURE VOCALIZATIONS AS INDICATORS OF POPULATION HEALTH *Mya Elizabeth Thompson; Katharine Payne; Andrea Turkalo; Kathryn Cortopassi
- 1:45 HUNTING PATTERNS, POPULATION DENSITY, GROUP SIZE, AND CONSERVATION OF THE WHITE-LIPPED PECCARY (*TAYASSU PECARI*) IN THE CALAKMUL REGION OF MEXICO *Rafael Reyna; EDUARDO NARANJO; Colin Chapman; George Tanner
- 2:00 LEAVING THE NEST: A CRITICAL PERIOD IN THE LIVES OF TROPICAL COUNTRYSIDE BIRDS *Cagan H. Sekercioglu
- 2:15 POPULATION DYNAMICS AND CONSERVATION OF ARAPAIMA IN FLOODPLAINS OF THE CENTRAL AMAZON *Leandro Castello; Donald Stewart; Caroline Arantes
- 2:30 RESOURCE OR SINK HABITAT? USING BEHAVIOR TO LINK RESTORATION TO BUTTERFLY POPULATION VIABILITY *Cheryl B. Schultz; Leslie Rossmell; Elizabeth E. Crone
- 2:45 SOCIAL AND BIOLOGICAL CARRYING CAPACITIES *Mart R. Gross; Eric Davies
- 3:00 UNDERSTANDING THE LINKAGES BETWEEN HIV/AIDS AND NATURAL RESOURCES MANAGEMENT IN UGANDA *Jackson Bwagiro Tumwine
- 3:15 VARIATION IN THE RELATIONSHIP BETWEEN OFFSPRING SIZE AND SURVIVAL PROVIDES INSIGHT INTO CAUSES OF MORTALITY IN HAWAIIAN MONK SEALS *Jason D. Baker

090. Sustainable Agriculture

Convention Center, Ballroom J

- 1:30 AVIAN COMMUNITIES AND VEGETATION STRUCTURE IN CACAO AND BANANA AGROFORESTRY SYSTEMS OF TALAMANCA, COSTA RICA *Chad Benjamin Wilsey; Stanley Temple
- 1:45 BIODIVERSITY AT RISK FROM EXTINCTION DUE TO INVASIVE WEEDS: A CASE STUDY FROM NORTHWEST PAKISTAN *Ikramullah Khan
- 2:00 COUNTRYSIDE BIOGEOGRAPHY: ARE AGRICULTURAL AREAS USEFUL FOR THE CONSERVATION OF

- FOREST-DEPENDENT BIRDS AT KEREITA, CENTRAL KENYA? *Mwangi Githiru; David Kimani Kuria
- 2:15 CROP STRAW BURNING PRACTICE-A THREAT TO ARBUSCULAR MYCORRHIZAL BIODIVERSITY
*Ghazala - Nasim; Rukhsana - Bajwa
- 2:30 WITHDRAWN
- 2:45 FUNCTIONAL TRAITS OF PLANT COMMUNITIES IN FIELD BOUNDARIES: INFLUENCE OF FARMING PRACTICES AND LANDSCAPE CONTEXT *Carole Chateil; Sophie Gachet; Emmanuelle Porcher; Jean-Claude Abadie
- 3:00 INCREASE OF SOIL FAUNA DIVERSITY BY THE USE OF FRESH ORGANIC MATTER AT PALENQUE CHIAPAS, MEXICO. A CASE OF SUSTAINABLE MAIZE PRODUCTION. *Esperanza Huerta-Lwanga; Efrain Montejo-Meneses
- 3:15 PERENNIAL OPTIONS FOR BIOENERGY FEEDSTOCKS *Virginia Dale

**091. Symposium: Fencing for Conservation: Restriction of Evolutionary Potential or a Riposte to Threatening Processes?
Convention Center, Meeting Room 13/14**

Organized by: Matt W. Hayward; Michael J. Somers; Graham IH Kerley

- 1:30 FENCING FOR CONSERVATION - KEEPING THINGS OUT OR IN: CASE STUDIES FROM AFRICA, AUSTRALIA AND EUROPE *Matt W. Hayward
- 1:45 THE VALUE OF FENCING FOR SUCCESSFUL REINTRODUCTION OF FAUNA AND ECOSYSTEM RESTORATION IN NEW ZEALAND *Bruce Richard Burns; John G. Innes; Tim D. Day
- 2:00 LOCALISED AND LANDSCAPE SCALE INTRODUCED PREDATOR CONTROL IN WESTERN AUSTRALIA - CAN IT DELIVER THE SAME RESULTS AS PREDATOR EXCLUSION FENCING? Paul Jeffrey de Tores; *Nicky Marlow
- 2:15 FENCES OR FOXES? CONSERVATION OF NATIVE VERTEBRATES IN AUSTRALIA *Christopher Richard Dickman
- 2:30 NEGOTIATING BARRIERS VIA METAPOPOPULATION MANAGEMENT *Michael J. Somers; Matt W. Hayward; Dave Druce; Harriet Davies-Mostert
- 2:45 SCALING ECOSYSTEM PROCESSES IN SMALL FENCED PARKS - CAN CLEVER MANAGEMENT COMPENSATE FOR SPACE? Sue Janse Van Rensburg; *Sally Archibald
- 3:00 FENCING OF ELEPHANTS: SHIFTING FROM EXTERNAL TO INTERNAL THREATS *Graham IH Kerley; Katie F. Gough; Marietjie Landman; Rob Slotow
- 3:15 FENCES AND THE CONSERVATION OF MIGRATORY UNGULATES *Simon Thirgood; Grant Hopcraft
- 4:00 IS THE VASTNESS OF THE SERENGETI ENOUGH TO AVERT HUMAN-WILDLIFE CONFLICTS? *Heribert Hofer; Marion Linda East
- 4:15 TOWARDS A TRUE ECOLOGY: EXPLORING THE HUMAN AND SOCIAL DIMENSIONS OF FENCING FOR CONSERVATION IN THE SUBTROPICAL THICKET BIOME, SOUTH AFRICA *Andrew Thomas Knight; Richard Cowling
- 4:30 WHAT HAPPENS WHEN YOU LET THE CATS OUT OF THE BAG? LEOPARDS AND LYNX IN MULTI-USE LANDSCAPES *John D. C. Linnell; Morten Odden; John Odden; Vidya Athreya
- 4:45 DO FENCES OR HUMANS INHIBIT THE MOVEMENTS OF WILDLIFE IN BIALOWIEZA PRIMEVAL FOREST? *Rafal Kowalczyk; Wlodzimierz Jedrzejewski; Krzysztof Schmidt; Matt W. Hayward
- 5:00 PEOPLE IN PROTECTED AREAS: CAN HUMANS COEXIST AMICABLY WITH INDIA'S WILDLIFE? *Ravi Chellam; Nitin Devdas Rai; Jagdish Krishnaswamy
- 5:15 FENCING FOR CONSERVATION: RESTRICTION OF EVOLUTIONARY POTENTIAL OR A RIPOSTE TO THREATENING PROCESSES? *Eric Dinerstein; Matt W. Hayward

- 5:30 THE IMPACTS OF FENCING ON MAMMALS IN AFRICA: A REVIEW *Michelle E. Gadd
- 5:45 SOME IMPACTS OF FENCING FOR CONSERVATION - WILDLIFE MORTALITY ALONG THE FENCE OF KRUGER NATIONAL PARK, SOUTH AFRICA *Matt W. Hayward

4:00 pm

092. Community-driven Conservation (2)

Convention Center, Ballroom E

- 4:00 CALAYAN RAIL PROJECT II: BUILDING LOCAL STAKEHOLDERS CAPACITY TO PROTECT AN ISLAND ENDEMIC SPECIES Carl Oliveros; Elson Aca; Miguel Ferido; Harvey Garcia; Karina Javier; *Cynthia Adeline Amoyo Layusa; Michael Angelo Morales
- 4:15 CONSERVATION AND SCIENCE: HUMAN-LEOPARD CONFLICT STUDY IN JAMMU AND KASHMIR, INDIA, TO BRIDGE THE GAP BETWEEN COMMUNITY AND WILDLIFE *Usham Somarendro Singh; Rohit Singh; Kartick Satyanarayan; Geeta Seshamani
- 4:30 FUNGAL CONSERVANCY INITIATIVE-THE PAKISTAN CHAPTER *Rukhsana - Bajwa; *Ghazala - Nasim
- 4:45 IMPACT OF NATURAL FLOW REGIME ON ECOSYSTEMS AND LIVELIHOODS OF RIPARIAN PEOPLE - CASE OF MASSILI RIVER, BURKINA FASO. *Birguy Mainoumata Lamizana-Diallo; Jeanne Millogo-Rasolodimby
- 5:00 INFLUENCE OF LONG-TERM NUTRIENT ENRICHMENT AND A SINGLE FUNGICIDE TREATMENT ON THE DENSITY AND NUTRIENT COMPOSITION OF PLETHODONTID SALAMANDERS *Joseph Milanovich; John C. Maerz; Amy D. Rosemond
- 5:15 LOCAL PARTICIPATORY IN WILDLIFE CONSERVATION: CASE OF THE MANAMBOLOMATY RAMSAR SITE, MADAGASCAR *Lily ARISON René De Roland; Zo Lalaina Rakotobe
- 5:30 NO CONSENSUS ON CONSENSUS: THE STRENGTHS AND WEAKNESSES OF CONSENSUS IN DEFINING AND IMPLEMENTING A COLLABORATIVE CONSERVATION PROGRAM *Anna Maria Muñoz; Tarla Rai Peterson
- 5:45 SPECIALIZATION SHAPES SPECIES DISTRIBUTION IN RESPONSE TO LANDSCAPE FRAGMENTATION AND FARMING INTENSITY *Fiippi-Codaccioni Ondine; Vincent Devictor; Romain Julliard

093. Freshwater Conservation (2)

Convention Center, Ballroom F

- 4:00 A FRESH LOOK AT THE WORLD: GLOBAL PATTERNS OF FRESHWATER SPECIES AND THREAT USING A NEW FRAMEWORK *Robin Abell; Michele Thieme; Carmen Revenga; Paulo Petry; Rebecca Ng; Mark Bryer; Nikolai Sindorf; James Robertson; Jonathan Vernon Higgins; Eric Wikramanayake; Thomas Heibel
- 4:15 BEHAVIORAL AND PHYSIOLOGICAL RESPONSES OF FRESHWATER MUSSELS (BIVALVIA: UNIONOIDA) TO VARIATIONS IN STREAM DISCHARGE *Samrat Saha; James B. Layzer
- 4:30 EFFICACY OF REFUGES TO MAINTAIN GENETIC DIVERSITY WITHIN POPULATIONS OF THE DEVILS HOLE PUPFISH (CYPRINODON DIABOLIS). *Gerard Zegers; Sherri Baker; Connie Keeler-Foster
- 4:45 EVOLUTIONARY EXPERIENCE, NOT PHENOTYPIC PLASTICITY, DETERMINES SURVIVAL OF LOWLAND LEOPARD FROG TADPOLES IN THE PRESENCE OF INTRODUCED SUNFISH Amanda M. Lea; *Martin Schlaepfer
- 5:00 PERCHLORATE DISRUPTS GONADAL DEVELOPMENT IN FISH Richard R. Bernhardt; *Frank Arthur von Hippel; Todd O'Hara; William Cresko
- 5:15 POPULATION ECOLOGY OF GROTTO SCULPIN (COTTUS CAROLINAE) IN CAVE AND RESURGENCE STREAMS *Julie Lynne Day; Clint R. Johnson; Joseph E. Gerken; Ginny Adams
- 5:30 ROAD RUNOFFS AND THEIR EFFECTS ON BIOLOGICAL SYSTEMS *Achik Dorchin; Uri Shanas
- 5:45 THE EFFECTS OF HABITAT HETEROGENEITY ON MACROINVERTEBRATE COMMUNITY STABILITY

AND FOOD WEB STRUCTURE *Raven L. Lawson; Bryan L. Brown

094. Spatial Ecology and Conservation (2)

Convention Center, Ballroom G

- 4:00 COUPLING HABITAT, POPULATION, AND LANDSCAPE-CHANGE MODELS FOR FISHERS (MARTES PENNANTI) IN THE SIERRA NEVADA, CALIFORNIA *Wayne D. Spencer; Heather Rustigian; James R. Strittholt; Robert Scheller; Alexandra Syphard
- 4:15 DEFORESTATION AND POLLINATOR FLORAL FIDELITY *Berry J. Brosi; Martin Arford
- 4:30 ECOSYSTEM-BASED MANAGEMENT CAN PREVENT SCALE MISMATCH: THE DUGONG CASE STUDY *Helene Denise Marsh; Alana Marie Grech
- 4:45 EXPAND OR MULTIPLY? THE RELATIVE VALUES OF METAPOPOPULATION PATCH NETWORK SIZE AND INDIVIDUAL PATCH AREA *Samuel Coulson Nicol; Hugh Possingham
- 5:00 HABITAT SPECIFICITY OF AMAZONIAN TREE SPECIES *Hannah I. Stevens
- 5:15 USING DEATH ASSEMBLAGES IN EXTANT STANDS OF AN OBLIGATE POST-FIRE SEEDING SHRUB CEANOTHUS VERRUCOSUS, TO INFORM FIRE MANAGEMENT *Dawn Lawson; Helen M. Regan; Paul H. Zedler; Janet Franklin
- 5:30 LARGE-SCALE MULTISPECIES CONSERVATION PLANNING USING SPATIALLY-EXPLICIT MODELS IN FLORIDA *Karen V. Root
- 5:45 WITHDRAWN

095. Conservation in Hotspots

Convention Center, Ballroom H

- 4:00 ARMED CONFLICT AND BIODIVERSITY CONSERVATION: A CASE STUDY OF BARDIA NATIONAL PARK, NEPAL *Man Kumar Dhamala; Dinesh Raj Bhujy; Naresh Subedi
- 4:15 DETERMINATION OF BASELINE ECOLOGICAL CONDITIONS IN THE GALAPAGOS ISLANDS *Emily Elizabeth DeFrees Coffey
- 4:30 DYSFUNCTIONAL HOTSPOTS? PAN-TROPICAL CHANGES IN DUNG BEETLE COMMUNITIES AND DECLINING ECOSYSTEM FUNCTIONS. *Sacha Spector; Elizabeth Nichols; Andres Gomez
- 4:45 IMPACT OF ENVIRONMENTAL DEGRADATION ON WILDLIFE IN THE COASTAL ZONE OF BAYELSA STATE, NIGERIA *Elizabeth Ebahili Ehi-Ebewele
- 5:00 IN HOT SOUP: SHARKS CAPTURED IN ECUADOR'S WATERS *Jennifer Linn Jacquet; Juan Alava; Pramod Ganapathiraju; Scott Henderson; Dirk Zeller
- 5:15 MONITORING THE EFFECT OF COASTAL DEVELOPMENT ON AVIAN MIGRATION STOPOVER HABITAT IN SIAN KA'AN BIOSPHERE RESERVE, QUINTANA ROO, MEXICO. *Angeles Ana Paula Raymundo
- 5:30 THE OIL PALM CONUNDRUM: HOW OIL PALM AGRICULTURE AFFECTS TROPICAL BIODIVERSITY AND WHAT CAN WE DO ABOUT IT *Lian Pin Koh
- 5:45 THE ROLE OF CULTIVATION HISTORY ON THE CARBON SEQUESTRATION POTENTIAL OF REGENERATING FORESTS IN THE EASTERN ARC MOUNTAINS, TANZANIA *Tuyeni Heita Mwampamba

096. Population Dynamics (2)

Convention Center, Ballroom I

- 4:00 EGG POACHING: A MAJOR FACTOR IN THE POPULATION DECLINE OF LEATHERBACK TURTLES, DERMOCHELYS CORIACEA, AT PARQUE NACIONAL MARINO LAS BAULAS, COSTA RICA *Maria del Pilar Santidrian Tomillo; Vincent Sellito Saba; Rotney Piedra; Frank Vincent Paladino; James Robert Spotila
- 4:15 FRIEND OR FOE: BEHAVIORAL INTERACTIONS BETWEEN AN INTRODUCED AND NATIVE SALAMANDER SPECIES. *Heather R. Cunningham; Leslie J. Rissler

- 4:30 MODELING THE ROLE OF BEHAVIOR IN WILDLIFE RESPONSES TO LANDSCAPE CHANGE *Joshua Lawler; Nathan H. Schumaker
- 4:45 POPULATION VIABILITY OF AUSTRALIAN GREY NURSE SHARKS WITH FISHING MITIGATION AND CLIMATE CHANGE *Corey James Alexander Bradshaw; Victor M. Peddemors; Rory B. McAuley; Robert G. Harcourt
- 5:00 QUANTIFYING THE EFFECTS OF SENESCENCE AND PREY LIMITATION ON KILLER WHALE REPRODUCTION *Eric Ward
- 5:15 THE EFFECTS OF DISTURBANCE TO FOREST COVER ON AMPHIBIAN POPULATIONS AT A REGIONAL SCALE *Elizabeth B. Harper; James P. Gibbs; Raymond D. Semlitsch; Malcolm Hunter
- 5:30 THE GHOST OF CLIMATE PAST: LONG-MEMORY PROCESSES AND POPULATION EXTINCTION *Karim Al-Khafaji; Shripad Tuljapurkar
- 5:45 USING GENERALIZATIONS DEVELOPED FROM EXISTING DEMOGRAPHIC DATA TO GUIDE MANAGEMENT FOR DATA-POOR SPECIES *Cynthia Hartway; L. Scott Mills; Matthew Kauffman

**097. Risk Assessment and Uncertainty
Convention Center, Ballroom J**

- 4:00 A QUANTITATIVE COMPARISON OF THE VIABILITY MODELS DEVELOPED FOR ESA-LISTED SALMONIDS OF THE U.S. PACIFIC COAST *Shallin Busch; Paul McElhany; Mary Ruckelshaus
- 4:15 CAPTURING THE COMPLEXITIES OF ENVIRONMENTAL CHANGE & INFECTIOUS DISEASE: A COMPREHENSIVE LITERATURE REVIEW OF EMERGING INFECTIOUS DISEASES *Karen Levy
- 4:30 COMPARISON OF GENETIC DIVERSITY IN MOUSE POPULATIONS HISTORICALLY EXPOSED TO POLYCYCLIC AROMATIC HYDROCARBONS *Jessica Kristin Leet; Margaret Kovach; Joey Shaw; Sean M. Richards
- 4:45 LARGE-SCALE CONSERVATION PLANNING WITH INCOMPLETE INFORMATION: LAND COSTS ARE KEY *Jai Ranganathan; William Murdoch; Stephen Polasky
- 5:00 PREDICTING GENE FLOW FROM TRANSGENIC FISH TO WILD POPULATIONS: LESSONS LEARNED FROM CONFINED RISK ASSESSMENT TESTS *Kelly Pennington; Anne R. Kapuscinski
- 5:15 SUITABLE PROXIES FOR ASSESSING EQUIVALENT EXTINCTION RISKS FOR DIFFERENT TAXA *Tracey Regan; Barbara L. Taylor
- 5:30 USING SIGHTING RECORDS TO DECLARE ERADICATION OF AN INVASIVE SPECIES *Tracy Margaret Rout; Michael A. McCarthy
- 5:45 DISCUSSION