3rd Annual

Department of Fisheries and Wildlife

Graduate Student Research Symposium

March 21st, 2008
MSU Student Union
Schedule of Events

Morning Session

8:00 – 9:00 Registration; Coffee and juice available in Gold A
9:00 – 9:05 Welcome by Scott Winterstein, Associate Chair, Department of Fisheries and Wildlife
9:05 – 9:15 Symposium Introduction by Organizing Committee

SESSION I – Tracy Kolb, moderator

9:15 – 9:30 Hydrogeomorphic and Anthropogenic Disturbance Gradients in Lakes: How have Fish Assemblages Been Altered by B. Alger
9:30 – 9:45 Effects of Environmental Factors and Parental Reproductive Characteristics on Dispersal Time of Larval Lake Sturgeon (Acipenser fulvescens) by Y. Duong
9:45 – 10:00 Status of Human Dimensions Information Collection and Utilization by Fisheries Management Agencies by J. Simoes
10:00 – 10:15 Diversity of Microbial Communities Associated with the Zebra Mussel by A. Winters
10:15 – 10:30 Lemurs and Livestock: Comparing Lemur Abundance and Vegetation Structure Between Tropical Dry Forest Sites by A. Axel
10:30 – 10:45 A.M. Break

SESSION II – James Crossman, moderator

10:45 – 11:00 Can We See Understory Vegetation from Space? by M. Tuanmu
11:00 – 11:15 Long-term implications of dam removal for Stream Bedform Habitat and Macroinvertebrate Assemblages by J. Hansen
11:15 – 11:30 Describing Spatial Distribution of Parasites on Peromyscus Species in Southern Michigan by E. Mize
11:45 – 12:00 Updating Michigan’s Lake Sturgeon Rehabilitation Strategy by A. Schueller
12:00 – 1:15 Lunch on your own
Schedule of Events

**Afternoon Session**

**SESSION III – Kristen Schmitt, moderator**

1:15 – 1:30  The Occurrence of Piscicolid Leeches in Lake St. Clair, Michigan and Their Potential to Cause Damage to the Fish Community by C. Schulz

1:30 – 1:45  Annual Change in Population Densities of Invasive Beech Scale Insects in Michigan by D. Wieferich

1:45 – 2:00  The Arctic Grayling in Michigan: A Landscape Analysis to Identify Suitable Habitat by R. Tingley

2:00 – 2:15  The Sea Lamprey (*Petromyzon marinus*) Genome Reveals an Early Origin for Several Families of Chemosensory Receptors in the Vertebrate Lineage by S. Libants

2:15 – 2:30  Object-Based Image Analysis to Determine Condition of Arid Landscapes at Multiple Scales From Satellite Imagery and Field Data by J. Karl

2:30 – 2:45  Comparison of the Invertebrate Community in *Schoenoplectus*, *Typha*, and *Phragmites* Zones of Diked and Undiked Great Lake Coastal Wetlands by C. Provence

2:45 – 3:00  The Double Crested Cormorant: Victim or Perpetrator? by B. Muter

3:00 – 3:15  P.M. Break I

**SESSION IV – Nicholas Johnson, moderator**

3:15 – 3:30  Mating Systems and Reproductive Success of Painted turtles (*Chrysemys picta*) by J. McGuire

3:30 – 3:45  The Role of Retained Structures for Conserving Wildlife Habitat and Biodiversity in Managed Forests by D. Linden

3:45 – 4:00  Ecosystem-Scale Fisheries Management in Lake Huron by B. Langseth

4:00 – 4:15  Tourism Development in Wolong Nature Reserve for Giant Pandas-Is It Eco? by W. Liu

4:15 – 4:30  Developing a Quantitative Sampling Program for Lake-Wide Watermilfoil Weevil Density by T. Alwin

4:30 – 4:45  How Many Fish Should We Kill? A Review of the Relative Performance of Standard Fishery Harvest Control Rules by J. Deroba

4:45 – 5:00  Wetland Change and Functional Role in the Landscape as Nutrient Regulators to Lake Waters by C. Fergus
Schedule of Events

Evening Session

5:00 – 5:15  P.M. Break II

5:15 – 5:20  Plenary Speaker Introduction

5:20 – 6:15  Plenary Address: “Reconciling Fisheries with Conservation: the World as an Onion” by Dr. Amanda Vincent, Fisheries Center, University of British Columbia

6:15 – 8:30  Social, Poster Session, and Presentation of Awards

Poster Presenters (listed in alphabetical order)

6:15 – 8:30  Environmental Factors Impact the Relative Importance of Trait and Density Effects in Lake Michigan Zooplankton by K. Button

6:15 – 8:30  Rugged Minds: The Promise of Outdoor Philosophy by L. Goralnik

6:15 – 8:30  Efficacy Tests of a Synthesized Mating Pheromone in Sea Lamprey Management Scenarios by N. Johnson


6:15 – 8:30  The Importance of the Larval Stage to Cisco Recruitment Variation in the Great Lakes by J. Myers

6:15 – 8:30  Abundance, Distribution, and Growth of Larval Rainbow Smelt in Northern Lake Huron by T. O’Brien
Plenary Speaker

RECONCILING FISHERIES WITH CONSERVATION: THE WORLD AS AN ONION

Dr. Amanda Vincent
University of British Columbia
Project Seahorse

Biographical Sketch:

Named one of *Time* magazine’s Leader’s for the 21st Century, Dr. Amanda Vincent holds the Canada Research Chair in Marine Conservation in the Fisheries Centre at the University of British Columbia, Canada. Dr. Vincent also co-founded and still directs Project Seahorse, an interdisciplinary and international organization committed to conservation and sustainable use of the world’s coastal marine ecosystems. The group engages in connected research and management at scales ranging from community initiatives to international accords. Collaborating with stakeholders and partners, team members use seahorses to focus efforts in finding marine conservation solutions. Project Seahorse undertakes biological and social research, empowers local communities, establishes marine protected areas, manages small-scale fisheries, restructures international trade, promotes integrated policy, and advances environmental understanding. About 35 professional team members work around the world.