

# Mathematical Applications in Ecology & Evolution

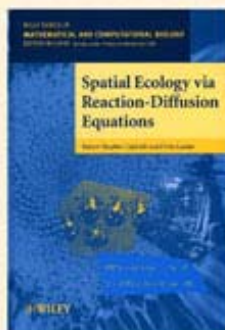
A workshop hosted by the Center for Computational Sciences

Mississippi State University

August 4-6, 2008, HPCC Room 30

## Speakers:

- ∞ Dr. Chris Cosner, Professor of Mathematics, University of Miami - Reaction Diffusion Models in Ecology
- ∞ Dr. Junping Shi, Associate Professor of Mathematics, College of William & Mary - Bifurcations in Reaction-Diffusion Systems
- ∞ Presentations by MSU faculty and graduate students:
  - Dr. Jaffar Ali Shahul-Hameed - Modeling allee effects & harvesting
  - Dr. Chris Brooks - Network models of species invasion
  - Dr. Gary Ervin - Modeling the spread of invasive plants
  - Dr. Kevin Knudson - Topological analysis
  - Dr. Lisa Wallace - Phylogenetic applications in biology
  - Dr. Mark Welch - Likelihood and Bayesian models in population genetics
  - Dr. Xingzhou Yang - Biomechanical modeling of cilia & flagella movement
  - Dr. Haimeng Zhang - Statistical analysis of water quality



To attend or for more information, contact [lisawallace@biology.msstate.edu](mailto:lisawallace@biology.msstate.edu)

Support provided by:

