Adaptive management seeks to determine sound management strategies in the face of uncertainty concerning the behavior of the system being managed. Specifically it attempts to find strategies for managing dynamic systems while learning the behavior of the system. This tutorial covers methods for modeling adaptive management, with an emphasis on case studies drawn from environmental and natural resource management. The tutorial reviews the key concept of a Markov Decision Process (MDP) and demonstrates how quantitative adaptive management strategies can be developed using MDPs. Additional conceptual, computational and application aspects will be discussed. The tutorial features hands-on activities designed to help participants incorporate adaptive management approaches into their own research activities.

Participation in the workshop is by application only. The tutorial is appropriate for faculty, post-docs, advanced graduate students, and industry professionals in resource economics, applied ecology, conservation biology, applied mathematics and related fields. Limited travel support is available for those with a demonstrated need.

Location: NIMBioS @ the University of Tennessee, Knoxville

For more information and the link to register, visit [http://www.nimbios.org/tutorials/TI_adapt](http://www.nimbios.org/tutorials/TI_adapt)

Application Deadline: January 2, 2020