2018 NSF-CBMS Conference:
Computational Methods in Optimal Control
July 23–27, 2018
JACKSON STATE UNIVERSITY
Lecturer: Dr. William W. Hager (University of Florida)

Invited Speakers and Talk Titles:
Dr. Matthias Heinkenschloss (Rice University)
► Numerical solution of optimization problems governed by PDEs
Dr. Michael Hinze (University of Hamburg)
► Bang bang control of elliptic and parabolic PDEs
Dr. Suzanne Lenhart (University of Tennessee)
► Optimal control techniques for management strategies in biological models
Dr. Dmitriy Leykekhman (University of Connecticut)
► Numerical analysis of sparse initial data identification for parabolic PDEs
Dr. Anil Rao (University of Florida)
► Tutorial to MATLAB optimal control software: GPOPS-II

Introduction:
In this workshop, Dr. Hager will deliver ten main lectures on state-of-the-art computational methods on optimal control in the morning sessions, which are accompanied with lab sessions in the afternoon. The lectures and labs are designed to provide both the background needed to analyze convergence of discrete approximations and solution techniques in optimal control, and practical experience in solving real-world problems. The invited speakers will give introductory talks that focus on computational methods for PDE optimal control problems. The selected participants include faculty, postdoctoral fellows, and graduate students.

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Organized by: Department of Mathematics & Statistical Sciences
Date and Time: July 23-27, 2018, 9AM-5PM
Locations: ENGINEERING BUILDING (ENB) 162/165

Program information on website: www.siue.edu/~juliu/cbms18