KENNESAW
STATE UNIVERSITY ®

College of Science and Mathematics

Department of Mathematics

2010-2011 Analysis and Applied Math Seminar

Tuesday, September 28, 2010
Dr. Yuliya Babenko, Kennesaw State University
"Inequalities for derivatives and their applications"

Monday, October 4, 2010
Dr. Sergiy Borodachov, Towson University
"Optimal cubature formulas related to tomography"

Tuesday, October 12, 2010
Dr. Brett Wick, Georgia Tech
"The Corona Problem"

Tuesday, October 19, 2010
Dr. Josip Derado, Kennesaw State University
"Wavelets – Part 2: Uncertainty Principle and Balian-Low Theorem"

Tuesday, October 26, 2010
Dr. Samares Pal, Department of Mathematics, University of Kalyani, West Bengal, India
"Mathematical modeling on algal blooms in presence of nutrient and toxic substances"

Tuesday, November 2, 2010
Dr. Alex Stokolos, Georgia Southern University
"A Gentle Introduction to Bellman Function Technique"

Tuesday, November 9, 2010
Dr. Sean Ellermeyer, Kennesaw State University
"A Size-Structured Model for Bacterial Growth in a Chemostat"

Tuesday, November 16, 2010
Dr. Philippe Laval, Kennesaw State University
"Cancer Modeling"

Tuesday, November 30, 2010
Dr. Konstantin Oskolkov, University of South Carolina
"Schrödinger-Riemann function as a multifractal"

Monday, January 24, 2011
Dr. Dany Leviatan, Tel-Aviv University, Israel
"Are the degrees of best (co)convex and unconstrained polynomial approximation the same?"

Tuesday, January 25, 2011
Dr. Alex Yurchenko, Georgia Tech
"Escape rate in the open dynamical systems"

Monday, February 7, 2011
Dr. Ana-Maria Croicu, Kennesaw State University
"'EMV' and 'MEV' Strategies in Control/Optimization Under Uncertainty"

Monday, February 14, 2011
Dr. Stephen Gagola, Bowling Green State University
"How triality groups relate to Moufang loops"

Monday, February 21, 2011
Dr. Luis Gordillo, University of Puerto Rico
"Modeling and control of plant diseases: the cases of cowpea mild mottle and pine wilt disease"

Monday, February 28, 2011
Dr. Christian Laing, New York University
"Analysis of RNA structures by using geometric shape descriptors"

Monday, March 14, 2011
Dr. Alex Iosevich, University of Rochester
"An example of a happy marriage of analysis and arithmetic"

Tuesday, March 22, 2011
Dr. Brett Katzman, Coles College of Business, Kennesaw State University
"Auction Theory"

Monday, March 28, 2011
Dr. Yuliya Babenko, Kennesaw State University
"Adaptive approximation on box partitions: polynomial vs harmonic splines"

Monday, April 4, 2011
Dr. Sung Ha Kang, Georgia Tech
"Introduction to variational image segmentation and multiphase extensions"

Monday, April 18, 2011
Dr. Lake Ritter, Southern Polytechnic State University
"Mathematical Modeling of Atherogenesis"