



MAA Florida Chapter Local Meeting

November 20, 2007

Building 38/room 141

9:15 – 9:45 a.m. Registration/ Welcome
 12:00 – 1:00 p.m. Lunch

Building 38/Room 144

Time	Speaker	Title
8:50 – 9:05 a.m.	Kami L. Harp UWF	The Gender Ratio of Offspring of Military Pilots
9:10 – 9:25 a.m.	Bennett L. Stackhouse UWF	Prospective Disease Surveillance
9:30 – 9:45 a.m.	Amanda K. Fountain UWF	Nonnegative Matrices
Break		
10:20 – 10:35 a.m.	Erika Fitzpatrick UWF	Perturbations of Real Symmetric Eigenvalue Problems
10:40 – 10:55 a.m.	Amy Yudiski UWF	Fermat's Little Theorem and Its Use in RSA Coding
11:00 – 11:15 a.m.	Jason Barnhardt UWF	The Science of Ported Subwoofer Enclosure Design
11:20 – 11:35 a.m.	Joshua Patrick UWF	Simulations to Analyze Type I and Type II Errors in the ANOVA F test
11:40 – 11:55 a.m.	David Bryant UWF	Interactive Methods for Image Deblurring

Building 51/room 152

Time	Speaker	Title
10:05 – 10:10 a.m.	Jane Halonen UWF	Welcome Address
10:15 – 10:30 a.m.	Matthew Roclevitch UWF	RSA Cryptography
10:35 – 10:50 a.m.	William Hemme UWF	The Fibonacci Sequence and Some of its Applications
10:55 – 11:10 a.m.	Nathalie Bonner UWF	St. Petersburg Paradox
11:15 – 11:30 a.m.	Ryan Adams UWF	Constructing phylogenetic trees using extended gene content
11:35 – 11:50 a.m.	Stephen Richardson USA	Analysis of water in the dog River watershed
Lunch		
1:00 – 1:20 p.m.	Michelle Ragle OWC	An optimal cutting-plane algorithm for solving the non-unique probe selection
1:25 – 1:45 p.m.	James Weaver UWF	Determinant or Permanent?
1:50 – 2:10 p.m.	Haiyan Tian USM	A delta shaped basis for solving singular/nonsingular partial differential equations in irregular domains
2:15 – 2:35 p.m.	Subhash Bagui UWF	Nonrigorous proofs of Sterling's Formula
Break		
3:00 – 3:20 p.m.	Vicki Schell PJC	Climbing the incline of the slope concept
3:25 – 3:45 p.m.	Xin-Min Zhang USA	Napoleon's Theorem – Mathematics, History, the Emperor's Family, and mathematicians
3:50 – 4:10 p.m.	Rebekah M. Lane FAMU	How graphing calculators and visual imagery contribute to students' understanding of functions
4:15 – 4:35 p.m.	Jorg Feldvoss USA	How to prove the irrationality of roots of integers
4:40 – 5:00 p.m.	Madhuri S. Mulekar USA	Is Central Park warming?