Questions to be addressed:

1. In the Mathematical Sciences, what current and/or emerging problems should be addressed with a multidisciplinary approach?

2. In the Mathematical Sciences, what has been done to address the formation, competitiveness, and success of large scale multidisciplinary research teams?

3. What, if anything, else needs to be done at UF and why?

**Location.** All talks are in Room 2205 New Physics Building (NPB).

8:45AM

**WORKSHOP WELCOME**

9:00 - 9:20AM

**James Jones,** Agricultural & Biological Engineering  
*What Current and Emerging Problems in the Mathematical Sciences should be addressed with a Multidisciplinary Approach?*

9:30 - 9:50AM

**David Reitze,** Physics  
*Why Physicists Need Mathematicians (and Vice Versa): Musings on the Multidisciplinary Approach*

10:00 - 10:20AM

**Erik Deumens,** Chemistry and Physics  
*Renormalization of Mathematical Sciences Education*

10:30 - 10:45AM

**BREAK**

10:45 - 11:05AM

**Eduardo C. Vallejos,** Horticultural Sciences  
*Designing Future Crops: Merging Genetics and Crop Modeling*

11:15 - 11:35AM

**Sam Trickey,** QTP (Physics and Chemistry)  
*Lessons from Experience about Competitive Realities at UF for Multi-disciplinary Funding in Computational Sciences*

12:00 - 1:00PM

**LUNCH**

1:00 - 1:20PM

**Gar Hoflund,** Chemical Engineering  
*A Synergistic Theoretical/Experimental Approach to Surface Chemistry Studies*

1:30 - 1:50PM

**Keith White,** Psychology  
*Recognizing the Intellectual Value of Contributions to Multidisciplinary Projects: Lessons from an fMRI Study Using Fractal Scaling Analysis*

2:00 - 2:15PM

**BREAK**

2:15 - 2:35PM

**Ed Braun,** Zoology  
*Perspective from Zoology*

2:45 - 3:05PM

**Sergei Shabanov,** Mathematics  
*N-disciplinary Research or ‘Sitting between N chairs’ from a Practitioner’s View*

3:15 - 4:00PM

**OPEN DISCUSSION**

MathSci Committee Web Address:  
http://msc.clas.ufl.edu/  
Please send comments to cyndi@biostat.ufl.edu