Madison AMATYC Traveling Workshop – Jan. 8, 2009

8am-8:30 Morning Refreshments

8:30am-9:30am Capturing your Lessons in the Digital Age

There are many different software packages available to help you record what you do "on screen." Most of the features are available in all programs – we'll go through the basics of recording a lesson on any computer and then some basic editing functionality you will want to go back and discover on your own. In addition to some high-powered video editing software (*Camtasia Studio*), I'll show you a free program (*Jing*) that you or your students can use to record lessons, presentations, or questions.

9:45am-10:45am Tablet PCs and Digital Pens

In this workshop we'll look at how can you get the most out of your Tablet PC (or peripheral tablet) during classroom time or in online math classes. We'll also look at some novel uses of digital pens in the classroom.

11:00am-12noon Synchronous Web Communication

There are several free programs (like *WizIQ, Yugma*, or *VYEW*) that you can use to communicate on the Internet that mimic the experience of standing and talking in front of a whiteboard. You could use these programs to hold virtual office hours, to tutor a student, to hold a virtual meeting, or to discuss a paper with a colleague. Another option is to hold office hours using an IM manager. Let's investigate the options we have for communicating live on the Internet. Please bring a headset or microphone if you have one.

12noon-1:00pm Lunch

1:00pm-2:20pm Using the Internet to Spice Up your Math Class

If you don't think that the use of websites has any value in the math classroom, or you do, but can't figure out how to actually incorporate them, then let me help you become a technology user. In this interactive workshop we will discover (and play with) a myriad of free web resources that you can begin using immediately: Wolfram Demonstrations, Merlot, Demos with Positive Impact, Hippocampus, YouTube, and much more. This will include a discussion of the best "search" methods on the Internet for finding learning materials. What you learn in this workshop can be used in any format of math class.

2:30pm-3:20pm Organizing your Digital Self

The role of the instructor is changing – no longer the guardians of information, we are quickly becoming the facilitators of learning – however that learning takes place. The classroom is not our only stage these days, and to meet learning needs, we communicate by email, manage online homework, build websites and courses in learning management systems. However, all this "going digital" can be a bit overwhelming. How do you keep track of your links, files, blogs, email, and website materials? How do you go about organizing and sifting through the vast array of resources on the Internet and turning them into an easy-to-use and coherent set of learning materials for the classroom or online environment? How do you start from scratch and build a new course? Let me share some of my strategies for coping with the information overload and the new digital era.

3:30pm-4:00pm The Missing MathType Manual

Many of us use an equation editor or MathType to make documents for our math classes. But do you *really* know how to use MathType? Maybe you do, but then again, maybe you're missing something a few details that would've made your life so much easier … if you had only known!

The Madison AMATYC Traveling Workshop will be conducted by Maria H. Andersen, from Muskegon Community College. Maria has a passion for helping other faculty learn how to "be dangerous" with technology and relate to the Internet generation. She teaches a wide variety of classes from Beginning Algebra through Calculus II in all formats imaginable. Maria is also a consultant for various educational companies, runs a website to help math instructors develop professionally and keep up with technology, and teaches faculty development programs for math and technology. You can find Maria blogging on the Internet at www.TCMTechnologyBlog.blogspot.com. For questions about the workshop, please email wyandersen@gmail.com.