

**Meeting:** 1003, Atlanta, Georgia, SS 2A, AMS-MAA-MER Special Session on Mathematics and Education Reform, I

1003-97-1052      **Rose Mary Zbiek\*** (rmz101@psu.edu), 272 Chambers Building, University Park, PA 16802. *The Mid-Atlantic Center for Mathematics Teaching and Learning: Resources and Colleagues Coming Together to Improve the Mathematical Education of Teachers.*

The Mid-Atlantic Center for Mathematics Teaching and Learning (MAC-MTL) involves mathematics educators, mathematicians, K-12 partners and others in a research agenda that examines both how prospective teachers learn mathematics and how their mathematics arises in their emerging classroom practice. The Center's products include a range of resources that can be used to enhance the mathematical preparation of teachers. Most obvious among those products are course descriptions and materials addressing mathematical topics that transcend and augment typical content courses, including mathematical modeling, data analysis, and function. The Center also offers a growing base of research-based work to inform everything from development of mathematical tasks or assessments to interaction between campus and classroom components of teacher preparation. More importantly, MAC-MTL is a group of faculty and emerging scholars in mathematics education with strong backgrounds and intense interest in mathematics and statistics. There are opportunities for collaboration and projects that further both the practical challenges of educating teachers and the continued development of a research base. This presentation elaborates on both the products and the collaborative opportunities. (Received October 03, 2004)