

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

1003-97-1532 **Patricia S. Wilson*** (pwilson@coe.uga.edu), 105 Aderhold Hall, Athens, GA 30606, and
Jeremy Kilpatrick (jkilpat@coe.uga.edu), 105 Aderhold Hall, Athens, GA 30606. *Faculty Resources for Improving the Mathematical Education of Teachers from the Center for Proficiency in Teaching Mathematics.*

The principal aim of the Center for Proficiency in Mathematics Teaching (CPTM) is to build the capacity of the system of professional education for preservice and practicing teachers of mathematics. We focus on the improvement of teachers' opportunities to learn mathematics for teaching and to learn to use mathematical knowledge effectively in practice. CPTM is a National Science Foundation (NSF) -funded Center for Learning and Teaching involving the University of Georgia and the University of Michigan.

CPTM supports and investigates a variety of approaches for the education of professionals who prepare teachers of mathematics. This includes mathematicians, doctoral students in mathematics and mathematics education, post-doctoral fellows seeking to develop specialization in the mathematics education of teachers, mathematics educators, mathematics teacher leaders, local curriculum and professional education specialists. Our session will report and discuss its activities for those who teach mathematics for teachers at all grade levels. Our activities include doctoral programs, postdoctoral programs, certificate programs for doctoral students, summer institutes, study groups, research and materials preparation for professional development. (Received October 05, 2004)