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Padmanabhan Seshaiyer* (pseshai@gmu.edu), 4400, University Drive, MS:3F2, Science and Tech I, Mathematical Sciences, George Mason University, Fairfax, VA 22030, and **Jennifer Suh**. *GMU COMPLETE: Center for Outreach in Mathematics Professional Learning and Educational Technology*. Preliminary report.

The COMPLETE center at George Mason University (GMU) provides a collaborative network that brings together a consortium of school district leaders, K-12 teachers, GMU Faculty and students, national experts, non-profit organizations and business partners to promote excellence in mathematics teaching, learning and collaborative mentoring in Northern Virginia through innovative solution-oriented initiatives and technology integration.

In this talk, we will present professional development and enrichment opportunities that include developing STEM based educational programs for students and teachers to solve real-world problems that focus on 21st Century Skills including critical thinking, problem solving, communication, collaboration and creativity, careers, technology and innovation; providing sustained, intensive and high-quality K-12 teacher mathematics professional development and; providing targeted opportunities for meaningful mathematics learning to underrepresented populations in STEM Education Initiative. (Received July 27, 2010)