

1086-K1-2932 **Elizabeth C. Rogers*** (brogers@piedmont.edu), Department of Mathematics, Piedmont College, 165 Central Ave., Demorest, GA 30535. *A Visual Tour of Lesser Known Art and Architecture as Examples of Mathematical Development of World Civilizations.*

In teaching a non-Eurocentric mathematics history course, one must frequently rely on the visual art forms as a starting place for discussion of the mathematical development of many civilizations. This presentation will focus on some of the world's lesser visited sites that provide evidence of the mathematical achievements of various regions and civilizations as evidenced in art and architecture. The visual tour will feature the presenter's original research and photographs of sites including: the Chimu adobe village of Chan Chan and Moche Temples of the Sun and Moon in Peru; the Mosque at Cordoba, Spain; Tower of Homage at Gibraltar, the Museum of Mathematics at Sharjah, UAE; Yonghe Temple and the Capital Museum in Beijing. (Received September 26, 2012)