

1096-H1-1154 **James H. Fife*** (jfife@ets.org), Educational Testing Service, Mail Stop 18-E, 660 Rosedale Road, Princeton, NJ 08541. *Modeling the Key and Keying the Model: Combining Automatic Item Generation with Automated Scoring.*

Automatic item generation has been shown to be a cost-effective means of generating multiple-choice mathematics items (Bejer et al., 2003; Drasgow et al., 2006; Gierl et al., 2008; Alves et al., 2010). For constructed-response items, however, the cost-effectiveness disappears unless the items can be automatically scored and the automated-scoring models of the instances generated automatically. In this talk, two approaches to the automatic generation of automated-scoring models will be discussed; these approaches have been called "modeling the key" and "keying the model" (Graf & Fife in Gierl & Haladyna, 2012). (Received September 13, 2013)