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W. Gary Martin* (martiwg@auburn.edu), Department of Curriculum and Teaching, 5040 Haley Center, Auburn University, AL 36849, and **Marilyn E. Strutchens** (strutme@auburn.edu), Department of Curriculum and Teaching, 5040 Haley Center, Auburn University, AL 36849. *The Mathematics Teacher Education Partnership: A Networked Improvement Community of Universities and School Systems to Transform the Preparation of Secondary Mathematics Teachers.*

The Mathematics Teacher Education Partnership (MTE-Partnership) was formed by the Association of Public and Land-grant Universities in 2012 to address the undersupply of new secondary mathematics teachers who are well prepared to help their students attain the goals of the Common Core State Standards for Mathematics (CCSSM) and other rigorous state mathematics standards. This consortium of over 90 universities and over 100 school systems has a common goal of transforming secondary mathematics teacher preparation using the Networked Improvement Community (NIC) design (Bryk et al., 2015). The Partnership currently has five Research Action Clusters (RACs) consisting of 6-20 universities working collaboratively to address “primary drivers,” hypotheses about the main areas of influence necessary to advance the improvement aim of increasing the quality and quantity of students prepared to teach secondary mathematics. In particular, the RACS address experiences in introductory mathematics courses, the development of mathematical knowledge for teaching, clinical experiences, and recruitment of secondary mathematics teacher candidates, and retention of those candidates in the profession upon program completion. Particular opportunities and challenges of the NIC design will be addressed. (Received September 25, 2017)