**Thomas H. Parker** is a Professor of Mathematics at Michigan State University. He has a PhD. in mathematics from Stanford University and has previously held faculty positions at Harvard and Brandeis Universities. His mathematics research on geometric analysis and mathematical physics has been continuously supported by NSF grants since 1982.

Parker regularly teaches courses for preservice teachers and has written, with S. Baldridge, the textbooks *Elementary Mathematics for Teachers* and the preliminary version of *Elementary Geometry for Teachers* described in this proposal. He has served as an advisor and writer on portions of Michigan's K-12 mathematics Standards ("GLCEs") and on several national-level committees concerned with the mathematics education of elementary teachers.

**Scott Baldridge** is an Assistant Professor of Mathematics at Louisiana State University. He has a PhD. in mathematics from Michigan State University and previously held a faculty position at Indiana University. His mathematical research interests are symplectic geometry and topology, differential geometry, and gauge theory. His research has been supported by NSF research grants since 2004.

Baldridge has been involved in mathematics education since the mid-1990s, when he worked on the *Connected Mathematics Project*, one of the NSF-funded middle school curriculum projects. He has written, with T. Parker, the textbooks *Elementary Mathematics for Teachers* and the preliminary version of *Elementary Geometry for Teachers*. Baldridge is a Co-PI of a grant aimed at overcoming Louisiana's mathematics gap in AP calculus. He also runs the Geaux Teach program for pre-service secondary (Grades 6-12) teachers mathematics program at LSU.

Baldridge was recently awarded a National Science Foundation CAREER grant for his proposal The topology of smooth and symplectic 4-manifolds. NSF describes the "The Faculty Early Career Development" (CAREER) Program as "... a Foundation-wide activity that offers the NSF's most prestigious awards in support of the early career-development activities of those teacher-scholars who most effectively integrated research and education within the context of the mission of their organization."

**Pavel Sikorskii** has been a Teaching Specialist in Michigan State University's Mathematics Department since 1999. He has taught and supervised the full range of freshman and sophomore courses from remedial "Intermediate Algebra" through advanced linear algebra. During this time he has been continuously involved in training and supervising graduate Teaching Assistants. Sikorskii was selected from among the Mathematics Department's 70 faculty members as co-winner of the 2007 J.S. Frame Excellence in Teaching Award.

Sikorskii brings the following special qualifications to this project:

- Four semesters experience teaching pre-service elementary teachers using the textbook (*Elementary Mathematics for Teachers* and Singapore materials).
- Extensive experience writing and publishing supplementary materials for mathematics courses, including interactive online materials.
- Seven years experience teaching high school students in the MSU Mathematics Department's CHAMP program. This program takes exceptionally able students through a rigorous 4-year high school mathematics program in two years.
- Collaborative work with mathematics educators and teachers on numerous projects, including the course-writing committee for the Michigan High School Standards, projects within MSU's NSF-sponsored Math and Science Partnership program ("PROM/SE"), and teacher workshops.

**Richard Hensh** has been a Teaching Specialist in MSU Mathematics Department since 1993, teaching, supervising TAs, and writing materials in the same range of courses as Sikorskii. For the past seven years he has taught high school students in the CHAMP program.

Hensh brings to the project years of experience designing and writing computer programs and web interfaces that generate and deliver mathematics materials to students. This includes (1) creating interactive review problems for the CHAMP program using the LON-CAPA application, and (2) designing and maintaining interactive web sites for the Department of Mathematics (the Web Grader, MLC, and GPS applications) and the College of Nursing (the Reflexology and CWHP applications). This included designing, building, and maintaining the backend databases and the interactive web interface used to access each database.

**Onur Agirseven** is a senior PhD student in MSU's Mathematics Department. He is one of the most experienced and successful of the department's 112 teaching assistants and the winner of the 2007 Senior Graduate Teaching Award.

Agirseven has six semesters experience teaching prospective teachers using *Elementary Mathematics for Teachers* and draft versions of *Elementary Geometry for Teachers*. He also has taught similar courses using *Connected Mathematics* middle school materials. Agirseven has worked closely with Professor Parker writing handouts and evaluation materials and has written a complete set of lecture notes for both the arithmetic and the geometry course.