



RICE UNIVERSITY
SCHOOL MATHEMATICS PROJECT

The Rice University School Mathematics Project

Supporting Excellence in PreK-16 Mathematics since 1987

Anne Papakonstantinou, Director

The 2019 AWM Research Symposium

April 6-7, 2019

Rice University

Houston, TX



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The RUSMP Team

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RUSMP – The Early Years

- Established in 1987 with funding from the National Science Foundation
- To provide a bridge between the Rice University mathematics research community and Houston-area mathematics teachers



RUSMP – The Early 90s

- School teams of teachers
- School administration participation
- Urban programs for schools and school feeder patterns



RUSMP – The Late 90s to the Present

- Research Efforts
- Math to STEAM
- Broader Impacts



RUSMP – Today

RUSMP's promotes Rice University's Vision for the Second Century, Second Decade –
“Extend Rice's Reach and Impact” and “Engage Houston and Empower Its Success.”



Rice University and Other Universities

- Support other Rice PreK-12 outreach efforts
- Collaborate with Rice faculty, departments, and schools
- Support Rice faculty, post-docs, and graduate students
- Promote campus events to the community



School Districts

- Comprehensive needs assessments
- District curriculum and assessment documents
- Access for students to higher-level mathematics courses
- Videos for student instruction and teacher professional development
- Research on effectiveness of districts' mathematics programs



Schools

- Communities of practice
- Effective mathematics teachers
- Dynamic teacher leaders
- Support for new and/or struggling teachers



Teachers

- Long-term and short-term professional development to strengthen mathematical knowledge for teaching
- Assistance in developing effective instructional and/or management strategies that engage all learners
- Professional development to better understand their potential as teacher leaders



Students

- Summer instructional programs and camps
- Academic-year enrichment programs
- Rewards for academic achievement
- College admission and financial aid workshops



Parents and the Community

- Information about school and district mathematics programs
- Opportunities to engage with the school community through mathematics
- Resources for supporting mathematics instruction at home



Funding Sources

- National Science Foundation
- United States Department of Education
- Corporations
- Foundations
- Collaborating partners



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