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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<th>The RUSMP Team</th>
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<td>Richard Parr</td>
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<td>Susan Troutman</td>
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<td>Carolyn White</td>
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<td>Robin Ward</td>
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<td>Yetkin Yildirim</td>
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<td>Adem Ekmekci</td>
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<td>Lilly Bonner</td>
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<td>Gloria Godinez</td>
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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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