Proceedings of the Fourth Annual Meeting of the Georgia Association of Mathematics Teacher Educators

October 13, 2010
Rock Eagle, Georgia
Georgia Association of Mathematics Teacher Educators (GAMTE)

GAMTE 2010 Officers
President Cindy Henning, Columbus State University
President Elect Sharon Taylor, Georgia Southern University
Secretary Dianna Spence, North Georgia College & State University
Treasurer Nikita Patterson, Kennesaw State University
Member-at-Large Don Brown, Macon State University
Member-at-Large Deborah Gober, Columbus State University
Member-at-Large Mary Garner, Kennesaw State University

GAMTE 2010 Conference Committee
Sharon Taylor (chair), Georgia Southern University
Don Brown, Macon State University
Joy Black, University of West Georgia

GAMTE 2010 Proceedings Committee
Deborah Gober (chair), Columbus State University
Don Brown, Macon State University
Linda Crawford, Augusta State University
Jill Drake, University of West Georgia
Mary Garner, Kennesaw State University
Cindy Henning, Columbus State University
Ellice Martin, Valdosta State University

Purposes and Goals of GAMTE
The purpose of GAMTE is to encourage and facilitate the improvement of mathematics teacher education across the state of Georgia. The goals of the organization are to: facilitate communication and collaboration among mathematics teacher educators between and within all educational levels; coordinate activities and work collaboratively with other associations, organizations, and governmental (national, state, and local) units to strengthen the mathematical, pedagogical, and clinical preparation of mathematics teachers at all levels (P-college); facilitate collaboration among mathematics teacher educators who are members of different academic units, such as departments of mathematics and departments of education; promote leadership among mathematics teacher educators in the broader mathematics education community; encourage research related to mathematics teacher education, especially which identifies factors that contribute to improving the preparation and professional development of mathematics teachers at all levels; encourage and organize programs and meetings focusing in issues related to the preparation and professional development of mathematics teachers; and foster the incorporation of appropriate technology into teacher education programs and professional development opportunities in mathematics at all levels (P - college).
### Table of Contents

<table>
<thead>
<tr>
<th>Page Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Investigating Mathematical Literacy through Teacher Language</td>
</tr>
<tr>
<td>12</td>
<td>Collaborating to Meet the Standards: Implications for Professional Development</td>
</tr>
<tr>
<td>21</td>
<td>Extending K-8 Mathematics Concepts in Alternate Bases</td>
</tr>
<tr>
<td>27</td>
<td>Basic Skills Testing in Math 2008</td>
</tr>
<tr>
<td>34</td>
<td>Embracing the Vision: Our Work with Teachers Implementing GPS</td>
</tr>
</tbody>
</table>

**Research**

- Investigating Mathematical Literacy through Teacher Language
  - Alyson Lischka, Kennesaw State University

- Collaborating to Meet the Standards: Implications for Professional Development
  - Erik D. Jacobson and Laura M. Singletary, University of Georgia

**Research into Practice**

- Extending K-8 Mathematics Concepts in Alternate Bases
  - Dianna J. Spence, North Georgia College & State University

**Teaching**

- Basic Skills Testing in Math 2008
  - Susie M. Lanier, Sharon E. Taylor, Donna B. Saye, Georgia Southern University

- Embracing the Vision: Our Work with Teachers Implementing GPS
  - Sarah Ledford, Wendy B. Sanchez, Marian Fox, Kennesaw State University