

**Tuskegee University and TEAM-Math 2004 Conference  
on the Mathematical Preparation of Teachers**

**Friday, August 27, 2004**

**3:00 PM – 4:00 PM      Registration and Reception  
Kellogg Conference Center  
Registration Desk and Atrium**

**4:00 PM – 7:30 PM      Dinner and Address  
Kellogg Conference Center Ballroom B**

**Program**

<b>4:00</b>	<b>Opening and Welcome</b>	<b>William Lester Provost, Tuskegee University</b>
<b>4:15</b>	<b>Occasion and TEAM-Math Overview</b>	<b>W. Gary Martin TEAM-Math Project Director</b>
<b>4:50</b>	<b>Introductions TEAM-Math Partners</b>	<b>Marilyn Strutchens TEAM-Math Project Co-Director</b>
<b>5:00</b>	<b>Grace</b>	<b>Tommy Johnson</b>
<b>5:05</b>	<b>Food Service</b>	
<b>5:50</b>	<b>Introduction of Speakers</b>	<b>W. Gary Martin</b>
<b>6:00</b>	<b>Dinner Speakers</b>	<b>Deborah L. Ball Hyman Bass</b>
<b>7:15</b>	<b>Recognitions</b>	<b>Carolyn Gathright</b>
<b>7:20</b>	<b>Remarks</b>	<b>Benjamin Benford</b>
<b>7:25</b>	<b>Closing</b>	<b>Herman Windham</b>

**Saturday, August 28, 2004**

**8:00 AM– 9:50 AM Breakfast and Address Kellogg Conference  
Center, Ballroom B**

**Program**

<b>8:00</b>	<b>Grace</b>	<b>Herman Windham</b>
<b>8:05</b>	<b>Food Service</b>	
<b>8:25</b>	<b>Introduction of Speakers</b>	<b>W. Gary Martin</b>
<b>8:30</b>	<b>Breakfast Speakers</b>	<b>Deborah L. Ball Hyman Bass</b>
<b>9:35</b>	<b>Recognitions</b>	<b>Herman Windham</b>
<b>9:40</b>	<b>Remarks</b>	<b>W. Gary Martin</b>
<b>9:45</b>	<b>Closing</b>	<b>Phillip Zenor</b>

**9:50 AM – 10:50 AM      Concurrent Panel Discussions  
Questions and Answers**  
Panel Discussions based upon CBMS Recommendations in *The  
Mathematical Preparation of Teachers, Volume II*

*Mathematical Preparation of High School Teachers*  
**Kellogg Conference Center Ballroom C**  
**Panelists      W. Gary Martin, John Bales,  
Michel Smith, Kathy Westbrook**  
**Moderator      Mohammed Qazi**

*Mathematical Preparation of Elementary Teachers*  
**Kellogg Conference Center Rooms DE**  
**Panelists      Elizabeth Senger, Herman Windham,  
Charma Allen**  
**Moderator      Drusilla Caudle**

*Mathematical Preparation of Middle School Teachers*  
**Kellogg Conference Center Rooms FG**  
**Panelists      Marilyn Strutchens, Steve Stuckwisch,  
Bertha Y. Walker, Phillip Zenor**  
**Moderator      John Painter**

**10:20-10:45 AM Audience Questions and Answers**  
**10:45 - 10:50 AM Closing Panel Moderators**

**11:00 AM – 12:30 PM Concurrent Demonstrations of Exemplary Practices**

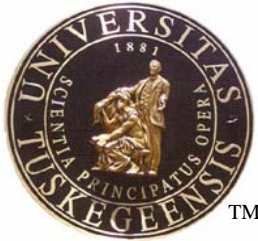
<b>Discrete Mathematics</b>	<b>Chris Rodger</b>	<b>Ballroom C</b>
<b>Problem Solving</b>	<b>Joy Black</b>	<b>Rooms D-E</b>
<b>Algebra</b>	<b>Tommy Johnson</b>	<b>Rooms F-G</b>
	<b>Mohammed Qazi</b>	

**12:25 PM – 12:30 PM      Closing      Mohammed Qazi**

**12:45 PM – 3:00 PM Luncheon and Address Ballroom B**

**Program**

<b>12:45</b>	<b>Grace</b>	<b>Elizabeth Senger</b>
<b>12:50</b>	<b>Food Service</b>	
<b>1:25</b>	<b>Introduction of Speaker</b>	<b>Carolyn Gathright</b>
<b>1:30</b>	<b>Dinner Speaker</b>	<b>Bernard Madison</b>
<b>2:35</b>	<b>Recognitions and Remarks</b>	<b>Mohammed Qazi</b>
<b>2:45</b>	<b>Conference Evaluation</b>	<b>Mohammed Qazi</b>
<b>3:00</b>	<b>Closing</b>	<b>Herman Windham</b>



## Transforming East Alabama Mathematics Conference

### Titles and Descriptions of Addresses

#### Friday Diner Address, August 27, 2004

Teaching and Learning Mathematics for Equity: Learning Community

Mathematics teaching and learning, and the society in which teachers and learners live, have been plagued with deep and persistent problems of inequity and inequality. Using concrete artifacts of practice, this session will explore how particular practices of teaching mathematics can challenge these persistent patterns both within classrooms and beyond.

#### Saturday Breakfast Address, August 27, 2004

Knowing and Using Mathematics for Teaching: A New Formula

Teaching mathematics is a special practice; we analyze in this session some of the central mathematical demands of that practice, and offer an alternative to traditional formulas for what teachers "need to know." Our collaboration, one of us a research mathematician and the other an elementary school teacher, has provided tools for approaching this problem: we will describe and discuss what has been involved in this collaborative effort, and comment on lessons learned.

#### Saturday Luncheon Address, August 27, 2004

Building Connections to College Mathematics

A description of the MAA's NSF-funded initiative, Preparing Mathematicians to Educate Teachers (PMET), and how college and university mathematics faculty can participate. In addition, the speaker will relate his own experience with implementing some of the PMET philosophy in a course he teaches for future elementary teachers. Finally, part of the PMET effort -- building connections between mathematics and K-12 classrooms -- will be extended to other introductory college mathematics courses.

## Transforming East Alabama Mathematics CONFERENCE PROGRAM

**TUSKEGEE UNIVERSITY**  
**Kellogg Conference Center**  
**August 27-28, 2004**

### CONFERENCE THEME:

**The Mathematical Preparation of Teachers – Educators and  
Mathematicians Working More Closely Together**



**TEAM-Math is a partnership of Auburn University, Tuskegee University, twelve school districts (Alexander City, Auburn City, Chambers County, Elmore County, Lanett City, Lee County, Macon County, Opelika City, Phenix City, Russell County, Tallapoosa County, and Tallasse City school districts), and business partners working towards the common goal of improving mathematics education in East Alabama**