

# Transforming East Alabama Mathematics CONFERENCE

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

**FREE ATTENDANCE TO THE FIRST 100 APPLICANTS!**

**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 Tallassee City school districts), and business partners working towards the common goal of improving mathematics education in East Alabama.

## CONFERENCE INFORMATION

This intensive and exciting two-day conference will focus on the mathematical preparation of K-12 teachers and the key roles played by college or university faculty. Key issues will be addressed through keynote addresses, panel discussions, and other conference activities.

## CONFERENCE GOALS

- # To provide participants with insights into the mathematical preparation needed by K-12 teachers.
- # To provide participants with insights into instructional methods that may support the effective mathematical preparation for K-12 teachers.
- # To encourage mathematicians and mathematics educators to work more collaboratively in the preparation of K-12 teachers of mathematics and in promoting improvements in K-12 education.
- # To encourage collaboration on the recruitment and retention of prospective mathematics and mathematics education majors.
- # To provide mathematicians and mathematics educators with access to information and resources needed to improve mathematics teaching and learning.

## CONTACT INFORMATION:

For questions, or to submit an application, please contact:

Dr. Carolyn H. Gathright  
TEAM-Math Conference  
Tuskegee University  
Tuskegee, Alabama 36088  
E-mail: [gathrigh@tuskegee.edu](mailto:gathrigh@tuskegee.edu)  
Voice mail: 334-727-8144 or  
334-727-8564  
Fax: 334-724-4384

## Application Information:

_____
Name
_____
College/School/University
_____
Position
_____
Daytime Phone Number
_____
E-mail or Fax
_____
Street Address
_____
City, State, Zip Code
_____
Special Dietary considerations
Choose a Preparation of Teachers' Panel Session:
<input type="checkbox"/> K-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 9-12
Choose an Exemplary Teaching Session:
<input type="checkbox"/> Algebra <input type="checkbox"/> Problem Solving
<input type="checkbox"/> Discrete Math

**Mail, fax, or e-mail to the address above.**

## CONFERENCE SPEAKERS

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Dr. Deborah Loewenberg Ball is professor of mathematics education at the University of Michigan. Her work draws on her many years of experience as an elementary classroom teacher. She investigates efforts to improve teaching through policy, reform initiatives, and teacher education. Her publications include articles on teacher learning; the role of subject matter knowledge in teaching and learning to teach; endemic challenges of teaching; and the relations of policy and practice in instructional improvement.

Dr. Hyman Bass is the Roger Lyndon Collegiate Professor of Mathematics and Professor of Mathematics Education at the University of Michigan. His research publications cover broad areas of algebra. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences. Dr. Bass is past president of the American Mathematical Society, and is currently President of the International Commission on Mathematics Instruction. He collaborates with Dr. Deborah Ball and her research group on the teaching of elementary school mathematics. He has helped to build bridges between diverse professional communities.

Dr. Bernard L. Madison is Director for the Supporting Assessment in Undergraduate Mathematics project and Co-Director of the Preparing Mathematicians to Educate Teachers project, NSF-funded national Mathematics Association of America projects. Dr. Madison has served as Chair of the Mathematical Sciences Department at the University of Arkansas and dean of the Fulbright College of Arts and Sciences. He has conducted research in topology and algebra and has authored numerous publications on mathematics, mathematics education, and science policy.

## CONFERENCE SCHEDULE

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### Friday, August 27, 2004

Tuskegee University,  
Kellogg Hotel and Conference Center

3:00 PM – 4:00 PM

Registration and Reception

4:00 PM – 5:00 PM

Welcome and Opening Remarks  
TEAM-Math Overview and  
Introduction of TEAM-Math  
Partners

5:00 PM– 7:30 PM Dinner

Address, Dr. Ball & Dr. Bass

### Saturday, August 28, 2004

Tuskegee University,  
Kellogg Hotel and Conference Center

8:00 AM– 9:50 AM Breakfast

Address, Dr. Ball & Dr. Bass

9:50 AM – 10:50 AM

Concurrent Panel Discussions  
Questions and Answers

11:00 AM – 12:30 PM

Demonstrations of Exemplary  
Practices

12:45 PM – 3:00 PM Luncheon

Address, Dr. B. Madison

Conference Evaluation



## HOW TO APPLY

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**Who Should Apply:** Mathematicians and mathematics educators at two- and four-year colleges and universities are invited to attend, as well as teacher leaders and administrators in east Alabama. The first 100 applicants will be accepted.

### Event Dates:

August 27, 2004 (3:00 PM – 7:30 PM) and  
August 28, 2004 (8:00 AM – 3:00 PM)

### Registration Deadline:

August 9, 2004

### Registration Fees:

There are no conference registration fees. However, pre-registration is required.

### Hotel Accommodations and

### Reservations:

Rooms are available in the Tuskegee University Kellogg Hotel and Conference Center. Participants must make their own reservations and pay hotel room costs.

### Travel:

Participants must pay their own travel costs to and from the conference.

*Application information is on the reverse*