

AMTE 2008 CONFERENCE

FEATURED SESSIONS

TECHNOLOGY WORKSHOP

1:30 – 4:30 p.m., Thursday, January 24, 2008

Preparing Teachers with a Mathematics TPCK (Technological Pedagogical Content Knowledge)

Organizer: AMTE Technology Committee; Maggie Niess, Chair

Workshop Leaders: Maggie Niess, Suzanne Harper, Christine Browning, Bob Ronau, Alfinio Flores, Olga Kosheleva, Kathy Shafer, David Pugalee, Shannon Driskell

Description: Four components of TPCK suggest that teachers' knowledge and beliefs are consistent with: an overarching conception about the purposes for incorporating technology in teaching mathematics; knowledge of students' understandings, thinking, and learning in mathematics with technology; knowledge of curriculum and curricular materials that integrate technology in learning and teaching mathematics; knowledge of instructional strategies and representations for teaching and learning mathematics with technologies. What do these components suggest for the mathematics teacher preparation program? Participate in developing TPCK standards for teaching mathematics and guidelines for a teacher preparation program directed by these standards.

To Register: Indicate your interest on the AMTE Conference Registration Form (Registration is limited to 40 people.)

OPENING SESSION

7:00 – 8:30 p.m., Thursday, January 24, 2008

A National Conference on Doctoral Programs in Mathematics Education: Some Things that Happened and Possible Aftermath

Speakers:

Robert Reys, University of Missouri--Columbia

Glenda Lappan, Michigan State University

Diana Lambdin, Indiana University

Description: A National Conference on Doctoral Programs was held in September, 2007. This session will highlight some reports presented and issues discussed, including pros/cons of accreditation for doctoral programs in mathematics education.

To Register: Please indicate your interest on the AMTE Conference Registration Form. Pre-registration for this session is required in order to plan for attendance.

JUDITH E. JACOBS LECTURE

5:00 – 6:30 p.m., Friday, January 25, 2008

Mathematics Teacher Education in Dodge City: Desperately Seeking Wyatt Earp and Henri Poincaré

Speaker: Ed Silver. University of Michigan

Description: Teacher education has been called "the Dodge City of the education world... unruly and chaotic." In this talk, I will reprise some of the issues and concerns that give rise to this characterization, focusing on the ways in which these appear in mathematics teacher education. I will then sketch some ways that these criticisms might be addressed and the role that AMTE might play in this endeavor.

AMTE AWARD WINNER'S SESSION

8:00 – 9:00 a.m., Saturday, January 26, 2008

Scholarship in Mathematics Teacher Education

The speaker will be the winner of the 2008 AMTE Award for Excellence in Scholarship in Mathematics Teacher Education. The winner will be announced in December 2007. Their presentation will be a reflection on their view of scholarship in mathematics teacher education.

CLOSING SESSION

2:45 – 3:30 p.m., Saturday, January 26, 2008

Reflections on Our Field: A Dialogue about Research in Mathematics Teacher Education

Speakers:

Paola Sztajn, National Science Foundation

Denise S. Mewborn, University of Georgia

(Description to follow)

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| Unless otherwise specified, these sessions are included as part of your Conference Registration, and no other registration is needed. |
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