

# MIME 2014 Workshop Agenda

## Day 1: Sunday, March 16: Harrington Tower 303

*Please call 979-446-2083 (Yeping) if you are locked out of the building.*

- 11:45am **Shuttle from hotel to campus**
- 12:00pm – 1:00pm **Registration and Lunch (Harrington Tower 301)**
- 1:00pm – 1:30pm *Welcome & Introductions*
- Opening remarks and welcome (Yeping Li)
  - Overview of workshop (Bill McCallum)
- 1:30pm – 3:00 pm *Mathematical knowledge for teaching (MKT)*
- Introduction to mathematics education; A glimpse of the mathematical work of teaching; Video of classroom teaching; Introduction to MKT
- 3:00 pm – 3:30pm **Break (Harrington Tower 301)**
- 3:30pm – 4:15pm *Mathematical knowledge for teaching (continued)*
- Evidence of effects; Implications for the mathematical preparation of teachers
- 4:15pm – 5:15pm *Rethinking teacher education (Roger Howe)*
- 5:30pm **Shuttle from campus to hotel**

## Day 2: Monday, March 17: Memorial Student Center 2406B

- 8:00am **Shuttle from hotel to campus**
- 8:30am – 9:00am **Continental breakfast at workshop site (MSC 2406A)**
- 9:00am *Examples of how mathematicians can contribute to mathematics education*
- Survey of the landscape (Roger Howe)
  - The role of mathematicians in the Common Core (Bill McCallum)
  - The involvement of mathematicians in Reasoning Mind (George Khachatryan)
- 10:30am - 11:00am **Break (MSC 2406A)**
- 11:00am - 12:00pm *Examples of how mathematicians can contribute to mathematics education (continued)*
- The Baker Project (Scott Baldrige)
  - The Summer Program in Mathematical Problem Solving (Dan Zaharopol)
- 12:00pm – 1:30pm **Lunch (MSC 2406A)**
- 1:30pm – 3:00pm *Orientation to K-12 mathematical standards (Cody Patterson)*
- Texas Process Standards for Mathematics and the Common Core Standards for Mathematical Practice; Progressions in the Common Core; The Illustrative Mathematics Project
  - Writing curriculum for K-12 mathematical standards (Scott Baldrige)
- 3:30pm – 3:30pm **Break (MSC 2406A)**
- 3:30pm – 5:30pm *Group activity: Using K-12 tasks in teacher education (Cody Patterson, Scott Baldrige, Yvonne Lai)*

### *Optional evening activities:*

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- 6:00pm **Dinner with TAMU Math Circle featuring Cody Patterson (Blocker 117)**  
Texas BBQ and Italian vegetarian dish
- 6:30pm – 7:30pm **TAMU Math Circle**
- 8:00pm **Shuttle departs from campus to lodgings**

## Day 3: Tuesday, March 18 : Memorial Student Center 2406B

- 8:00am **Shuttle from hotel to campus**
- 8:30am – 9:00am **Continental breakfast at workshop site (MSC 2406B)**
- 9:00am – 10:30am *Group presentations*
- 10:30am – 11:00am **Break (MSC 2406A)**
- 11:00am – 12:00pm *A dialog on the relationship between mathematicians and mathematics educators (Roger Howe, Yeping Li, whole group discussion)*