

# MIME Workshop Agenda

## Sunday, April 25, 2010

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| 12:00pm: <b>Registration and Lunch</b>                               |
| 1pm: Welcome & introductions   |
| 1:30pm: D. Ball and H. Bass - Mathematical knowledge for teaching    |
| - Introduction to the problem  |
| - Video of classroom teaching  |
| - Introduction to MKT (Mathematical Knowledge for Teaching)          |
| 3pm: <b>Break</b>  |
| 3:15pm: D. Ball and H. Bass - Mathematical knowledge for teaching    |
| - Video from a mathematics course for teachers                       |
| - What kinds of work help to develop MKT in teachers?                |
| - Important qualities of knowing mathematics well enough to teach it |
| - Evidence on effects of MKT   |
| - Activities   |
| - Examination of textbooks for mathematics content courses           |
| 5:15pm: Finish for the day   |

## Monday, April 26, 2010

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| 8:30am: <b>Continental breakfast</b>  |
| 9am: H. Bass, W. McCallum - Mathematical knowledge for teaching                   |
| - Examination of a school textbook's treatment of functions                       |
| - First comments about the mathematical quality                                   |
| - Key questions to guide evaluation; develop framework                            |
| 10:30am: <b>Break</b>   |
| 11am: H. Bass, W. McCallum - Mathematical knowledge for teaching                  |
| - Share evaluations of materials examined Sunday afternoon                        |
| - Critique the evaluations for content, focus, and style                          |
| - Textbook evaluations as a content activity in a course or workshop for teachers |
| 12:30pm: <b>Lunch</b>   |
| 1:30pm: W. McCallum - Common core standards                                       |
| - Overview of the standards   |
| 3:00pm: <b>Break</b>  |
| 3:30pm: W. McCallum - Common core standards                                       |
| - Examination of assessment items   |
| - How do we assess understanding?   |
| 5:30pm: Finish for the day  |
| 6:30pm: <b>Dinner at Old Pueblo Grill – 60 N. Alvernon Way</b>                    |

## Tuesday, April 27, 2010

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| 8:30am: <b>Continental breakfast</b>  |
| 9am: R. Howe - Mathematicians in Mathematics Education  |
| - Overview of all the different kinds of activities a mathematician could do in mathematics education |
| 10:30am: <b>Break</b>   |
| 11am: R. Howe - Mathematicians in Mathematics Education   |
| - Curricular analysis   |
| 12:30pm: <b>Lunch</b>   |