



**Institute for Advanced Study/Park City Mathematics Institute  
Designing and Delivering Professional Development  
13-18 July 2008  
Draft Agenda**

**Sunday, July 13**

5:30-7:00 p.m. (Dinner Meeting) Grub Steak Restaurant  
Introductions  
Review of Agenda for the week  
Reflections for professional development  
Discussion of reading: “The Integration of the School Mathematics Curriculum in the United States: History and Meaning” by Zalman Usiskin, In *Integrated Mathematics Choices and Challenges*, (Sue Ann McGraw, Ed.). Reston, VA: NCTM, 2003.  
Assign working groups.  
Reasoning from Data and Chance  
Exploring Discrete Mathematics  
Investigating Geometry  
Learning from Teaching Cases  
Visualizing Functions  
Algebraic and Analytic Geometry  
7:00 Adjourn

**Monday, July 14**

8:20 Developing Mathematics Silver King 2, 3  
11:00 Reflecting on Practice Silver King 2, 3  
12:00 Lunch  
1:00 Working Groups TBD  
3:15: Cross Program: George Hart Grand Theater  
Research Professor, Department of Computer Science at Stony Brook  
4:30 DDPD Meeting Coalition 4  
Reflection on day  
What is integrated mathematics? An example will be studied in detail.  
5:30 Adjourn

**Tuesday, July 15**

8:20 Developing Mathematics Silver King 2, 3  
11:00 Reflecting on Practice Silver King 2, 3  
12:00 Lunch

- 1:00 Working Groups TBD  
 4:30 DDPD Meeting Coalition 4  
 Reflection on day  
 Math resulting from curriculum decisions, and designing professional development around the decisions; an example will be taken from *The Classification of Quadrilaterals: A Study of Definition* by Usiskin and Griffin, Information Age Publishing, Inc. Charlotte, NC, 2008.  
 5:30 Adjourn

### Wednesday, July 15

- 8:20 Developing Mathematics  
 11:00 DDPD Meeting: sharing Practices  
 Roger Knobel, University of Texas Pan American  
 Susana Salamanca, New Mexico State University  
 12:00 Lunch  
 1:00 Afternoon Off

### Thursday, July 16

- 8:20 Developing Mathematics Silver King 2, 3  
 11:00 DDPD Meeting Coalition 4  
 Discussion of “Geometry Between the Devil and the Deep Blue Sea” by Hans Freudenthal, *Educational Studies in Mathematics* 3 (April 1971): 413-435.  
 Implications for your work  
 12:00 Lunch  
 1:00 Working Groups TBD  
 3:15 Nick Jackiw, Cross Program Grand Theater  
 4:30 DDPD Meeting Coalition 4  
 Reflection on day and implications for professional development  
 5:30 Adjourn

### Friday, July 17

- 8:20 Developing Mathematics Silver King 2, 3  
 11:00 Nick Jackiw, Key Curriculum Press Coalition 4  
 Perspectives on Integrating Algebra and Geometry  
 12:00 Lunch  
 1:00 DDPD Meeting Coalition 4  
 Next steps  
 3:15 Clay Lecture: Yum-Tong Siu  
 5:30 Adjourn