

**Park City Mathematics Institute (PCMI)
International Seminar (IS)
Mathematics Education Around the World: Bridging Policy and Practice**

Sunday, July 2 - Sunday, July 9, 2017

AGENDA

Prospector Square Lodge – South Lounge

Monday to Friday meal schedule – (except July 4)

Breakfast – Grub Steak

Lunch - Tent

Dinner – on your own

7:00 – 8:15 a.m.

12:00 – 1:00 p.m.

unless noted in the agenda

Sunday, July 2

Arrival at Prospector Square Lodge

6:00 p.m.

Welcome dinner at Grub Steak Restaurant (across from Lodge); dress is informal as it will be the rest of the week with the possible exception of the closing dinner

Monday, July 3

All sessions will be in the *South Lounge* unless otherwise noted.

8:15 – 8:30 a.m.

Introductions

Welcome: Rafe Mazzeo, Director, Park City Mathematics Institute
Overview of PCMI: Gail Burrill, Michigan State University;

8:30 – 8:45 a.m.

Past PCMI International Seminar Report: 2001-2016: Gail Burrill, Michigan State University;
Overview of this week's seminar, work and goals: Patrick Scott, International Representative, National Council of Teachers of Mathematics

Please note that the schedule has 20 minutes for a formal presentation by each country addressing the specific assigned question (10 minutes per person), followed by a discussion on the promises and challenges for other countries and implications for policy and practice.

Question for all to consider in their presentations: *What is the status of probability in the K-12 curriculum in your country?*

8:45 – 9:05 a.m. How are prospective teachers prepared for teaching probability in your country? How do probability topics fit into a tertiary mathematics program at the introductory level?

Guatemala

Bayardo Mejía

Mario Sánchez

9:05 – 10:15 a.m.

Promises and challenges for other countries related to the Guatemalan perspective.

10:15 – 10:30 a.m. Break

10:30 – 10:50 a.m. Is probability more closely tied to mathematics or to statistics in your country? How are the ideas of chance related to quantitative literacy such as risk involved with medical procedures or the use of lotteries integrated into the school curriculum?

Philippines

Angela Guzon
Lester Hao

10:50 – 12:00 p.m. Promises and challenges for other countries related to the Philippine perspective.

12:00 – 1:00 p.m. Lunch in the Tent

1:00 – 1:20 p.m. Reactions to the presentations from the Philippines and Spain, and discussion: Gail Burrill and Solomon Friedberg

1:20 – 1:40 p.m. .Is probability more closely tied to mathematics or to statistics in your country? How are the ideas of chance related to quantitative literacy such as risk involved with medical procedures or the use of lotteries integrated into the school curriculum?

Spain

Joaquin Giménez
Ana Serradó

1:40 – 2:50 p.m. Reactions to the presentations from Guatemala and the Philippines, and discussion: Gail Burrill and Solomon Friedberg.

2:50 – 3:15 p.m. Break

3:15 – 4:15 p.m. Talk by Robert Q. Berry III, NCTM President-elect, to the high school teachers

4:30 – 5:00 p.m. Opening thoughts on important ideas about probability education; setting the stage for briefs

6:00 p.m. Dinner on your own.

Tuesday, July 4: This is Independence Day for the United States and is a holiday for the PCMI. There is a parade beginning at 11 AM in Park City. You can walk in the parade as part of the PCMI contingent or just watch! If you want to walk in the parade, please wear your PCMI t-shirt. Note: no breakfast or lunch provided this day!

6 - 8:30 p.m. Fourth of July BBQ under the tent

Wednesday, July 5

- 8:15 – 8:35 a.m. How are prospective teachers prepared for teaching probability in your country? How do probability topics fit into a tertiary mathematics program at the introductory level?
Nigeria
Israel Inekwe
Raymond Madu
- 8:35 – 9:45 a.m. Promises and challenges for other countries related to the Nigerian perspective.
- 9:45 – 10:05 a.m. Reactions to the presentations from Spain and Nigeria, and discussion: Gail Burrill and Solomon Friedberg
- 10:05 – 10:20 a.m. Break
- 10:20 – 10:40 a.m. What is the current use of technology in classrooms in developing understanding of probabilistic concepts and procedures in your country? What potential future roles do you see for technology in developing understanding of probabilistic concepts and procedures in your country?
United States
Patrick Scott
Daniel Teague
- 10:40 – 11:50 p.m. Promises and challenges for other countries related to the U.S. perspective.
- 12:00 – 1:00 p.m. Lunch
- 1:00 – 1:20 p.m. What is the current use of technology in classrooms in developing understanding of probabilistic concepts and procedures in your country? What potential future roles do you see for technology in developing understanding of probabilistic concepts and procedures in your country?
Czech Republic
Jan Spěvák
Blanka Dvořáková
- 1:20 – 2:30 p.m. Promises and challenges for other countries related to the Czech perspective.
- 2:30 – 2:50 p.m. Reactions to the U.S. and Czech Republic presentations and discussion: Gail Burrill and Solomon Friedberg
- 2:50 – 3:15 p.m. Break

- 3:15 – 4:15 p.m. Cross-Program Presentation by Robert Q. Berry III
- 4:30 – 5:00 p.m. Presentation on the PCMI IS website by Suzanne Alejandre
- 5:00 - 5:30 p.m. Reflection on presentations: Potential topics for briefs, for example, what are the policy implications, if any, of not teaching probability? Initial thoughts about briefs.
- 6:00 p.m. Special showing of the movie "Hidden Figures" at the Park City Public Library (optional). Dinner on your own.

Thursday, July 6

- 8:15 – 9:45 a.m. Experience PCMI (Visit one of the following PCMI programs):
Teacher Leadership Program (SSTLP)
Graduate Summer School
(Mathematics) Research Program Seminar
Undergraduate Summer School
- 9:45 – 10:00 a.m. Break
- 10:00 - 12:00 a.m. Identification of (at most 3) working groups. Begin work on briefs.
- 12:00 – 1:00 p.m. Lunch
- 1:00 – 3:00 p.m. Work on briefs
- 3:00 – 3:15 p.m. Break
- 3:15 p.m. – 4:15 Cross-Program Talk by Terry Tao, Mathematician from the University of California, Los Angeles (optional)
- 4:15 – 7:30 p.m. Excursions (the Outlet Mall?) and dinner on your own)

Friday, July 7

- 8:15 – 10:15 a.m. Work on briefs
- 10:15 – 10:30 a.m. Break
- 10:30 – 12:00 p.m. Sharing initial thoughts on briefs
- 12:00 – 1:00 p.m. Lunch
- 1:00 – 3:00 p.m. Continue to work on briefs
- 3:00 – 3:15 p.m. Break

3:15 – 4:00 p.m. Share next draft of briefs; input from responders

4:00 – 5:00 p.m. Revise drafts

5:30 p.m. Dinner on your own

Saturday, July 8

9:00 – 12:00 a.m. Presentation of briefs

12:00 – 1:00 p.m. Lunch

1:00 – 3:00 p.m. Finalize briefs

3:00 p.m. What we learned from this experience: Country participants.
Closing remarks: Patrick Scott, Solomon Friedberg, Gail Burrill.

6:00 p.m. Closing dinner: TBD

Sunday, July 9

Shuttles pick up guests and transport to airport.
Guests depart for home or elsewhere from Salt Lake City Airport.