

# SRTL-8

The Eighth International Research Forum on  
Statistical Reasoning, Thinking and Literacy

SUPERIOR SHORES RESORT & CONFERENCE CENTER, TWO HARBORS, MN, USA

AUGUST 18-24, 2013

SRTL WEBSITE: <http://srtl.info>

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## FINAL ANNOUNCEMENT

Dear SRTL friends,

We are happy to email you the latest information about the SRTL-8 meeting. We look forward to your participation and hope that the following information will help you in preparing for this gathering.

In this final announcement we provide information about:

- SRTL-8 invited participants
- SRTL-8 Schedule
- Instructions for discussants
- Presentation format
- Request for additional video footage
- Internet information
- Travel guide: Climate, clothing, electricity, currency, weights & measures, insurance, tax and tipping, time, and visas

Please locate the presentation papers on the SRTL Website: <http://srtl.info>

Note: we will NOT provide hard copies of these unless you make a special request. We assume most will review them on their computers or mobile devices.

The telephone numbers of the local organizers are:

**Joan Garfield: 612-804-6897**

**Liz Fry: 847-636-0521**

**Bob delMas: 651-431-8047**

We wish you all a good flight!

See you soon,

The SRTL-8 Local Organizing committee: Joan, Bob, Andy, and Liz

## **SRTL-7 INVITED PARTICIPANTS**

The final list of participants at the time of this announcement is:

	<b>First Name</b>	<b>Last Name</b>	<b>Country</b>	<b>Role</b>
1	Janet	Ainley	UK	Discussant
2	Pip	Arnold	New Zealand	Presenter
3	Arthur	Bakker	The Netherlands	Presenter, Sci. Committee
4	Dani	Ben-Zvi	Israel	Presenter, SRTL co-chair
5	Rolf	Biehler	Germany	Discussant
6	Stephanie	Budgett	New Zealand	Presenter
7	George	Cobb	USA	Keynote speaker
8	Robert	delMas	USA	Presenter, Local Organizer, Sci. Committee
9	Jill	Fielding-Wells	Australia	Presenter
10	Daniel	Frischemeier	Germany	Presenter
11	Elizabeth	Fry	USA	Local Organizer
12	Joan	Garfield	USA	SRTL co-chair, Local Organizer
13	Robert	Gould	USA	Presenter
14	Anthony	Harradine	Australia	Presenter
15	Sibel	Kazak	Turkey	Presenter
16	Cliff	Konold	USA	Presenter
17	Sandra	Madden	USA	Presenter
18	Katie	Makar	Australia	Presenter, Sci. Committee
19	Hana	Manor Braham	Israel	Presenter
20	Jennifer	Noll	USA	Presenter
21	Maxine	Pfannkuch	New Zealand	Discussant
22	Susanne	Podworny	Germany	Presenter
23	Dave	Pratt	UK	Presenter, Sci. Committee
24	Andee	Rubin	USA	Discussant
25	Lucia	Zapata	Colombia	Presenter
26	Andrew	Zieffler	USA	Presenter, Local Organizer, Sci. Committee

## SRTL-8 SCHEDULE

**Conference theme: Reasoning about uncertainty in the context of making informal statistical inferences**

### Day 1: Sunday, August 18, 2013

Focus of the day: **Welcome and keynote**

1:00 PM	Vans leave from the Twin Cities
About 4:00 PM	Arrival at <a href="#">Superior Shores Resort &amp; Conference Center</a>
5:00–5:30 PM	Welcome session at the hotel with snacks: <ul style="list-style-type: none"><li>• Getting to know each other</li><li>• Overview of SRTL in general</li><li>• Introduction to conference theme: <i>Reasoning About Uncertainty</i></li><li>• Introduction to the scientific program of SRTL-8</li><li>• Introduction to the social program of SRTL-8</li></ul>
5:30–6:30 PM	Keynote address by George Cobb: <i>Reasoning about uncertainty: why our tensions are essential</i>
6:30–7:00 PM	Discussion
7:00 PM	Opening dinner at Superior Shores
9:00 PM	Bonfire at Superior Shores on the shore of Lake Superior

### Day 2: Monday, August 19, 2013

Focus of the day: **Conceptions of uncertainty**

7:00–7:30 AM	Optional physical activity on the beach
7:45–8:30 AM	Breakfast. Espresso bar open.
8:30–9:00 AM	Reflection: Discussion of keynote address
9:00–10:30 AM	<b>Long presentation 1:</b> Anthony Harradine, Cliff Konold: <i>Using data and chance to make conclusions</i>
10:30–10:45 AM	Break
10:45 AM–12:15 PM	<b>Long presentation 2:</b> Hana Manor Braham, Dani Ben-Zvi, Keren Aridor: <i>Students' reasoning about uncertainty while exploring sampling distributions in an "Integrated Approach"</i>
12:15–1:30 PM	Lunch at Superior Shores
1:30–3:00 PM	<b>Long presentation 3:</b> Arthur Bakker, Dani Ben-Zvi, Katie Makar, Tim Kurvers: <i>Reducing uncertainty in a hospital laboratory: A vocational student's web of reasons and actions involved in making a statistical inference</i>
3:00–4:00 PM	Small group discussion

4:00–5:00 PM	Free time
5:00–6:00 PM	Video viewing session 1 (optional)
6:00–7:00 PM	Dinner at Superior Shores

### Day 3: Tuesday, August 20, 2013

Focus of the day: **Uncertainty from younger to older students**

7:00–7:30 AM	Optional physical activity on the beach
7:45–8:30 AM	Breakfast. Espresso bar open.
8:30–9:00 AM	Reflection
9:00–10:30 AM	<b>Long presentation 4:</b> Janet Ainley, Keren Aridor, Dani Ben-Zvi, Hana Manor, Dave Pratt: <i>Children's expressions of uncertainty in statistical modelling</i>
10:30–10:45 AM	Break
10:45–11:15 AM	<b>Short presentation 1:</b> Rob Gould: <i>Teaching data handling</i>
11:15 AM–12:15 PM	Small group discussion
12:15–1:15 PM	Lunch at Superior Shores
1:30 PM	Trip to Duluth
6:00–8:00 PM	Dinner in Duluth
8:00 PM	Music Night (optional)

### Day 4: Wednesday, August 21, 2013

Focus of the day: **Teachers' reasoning about uncertainty**

7:00–7:30 AM	Optional physical activity on the beach
7:45–8:30 AM	Breakfast. Espresso bar open.
8:30–9:00 AM	Reflection
9:00–10:30 AM	<b>Long presentation 5:</b> Rolf Biehler, Daniel Frischemeier, Susanne Podworny: <i>Preservice teachers' reasoning about uncertainty in the context of randomization tests</i>
10:30–10:45 AM	Break
10:45–11:15 AM	<b>Short presentation 2:</b> Lucía Zapata: <i>Promoting the development of teachers' ideas of uncertainty</i>
11:15–11:45 AM	<b>Short presentation 3:</b> Sandra Madden: <i>Constructing simulations and interrogating empirical sampling distributions supports teachers' reasoning in the presence of uncertainty</i>
11:45 AM–12:45 PM	Small group discussion

12:45–1:45 PM	Lunch at Superior Shores
2:00–6:00 PM	Hike at Gooseberry Falls
6:30–8:00 PM	Barbecue dinner at Superior Shores
8:00 PM	Outing to Two Harbors (optional)

### Day 5: Thursday, August 22, 2013

Focus of the day: **Students’ reasoning about uncertainty in postsecondary level**

7:00–7:30 AM	Optional physical activity on the beach
7:45–8:30 AM	Breakfast. Espresso bar open.
8:30–9:00 AM	Reflection
9:00–10:30 AM	<b>Long presentation 6:</b> Pip Arnold, Stephanie Budgett, Maxine Pfannkuch: <i>Experiment-to-causation inference: The emergence of new considerations regarding uncertainty</i>
10:30–10:45 AM	Break
10:45 AM–12:15 PM	<b>Long presentation 7:</b> Robert delMas, Andrew Zieffler, Ethan Brown: <i>Students’ emerging reasoning with uncertainty in a randomization-based first course in statistics at the tertiary level</i>
12:15–1:15 PM	Lunch at Superior Shores
1:15–1:45 PM	<b>Short presentation 4:</b> Jennifer Noll and Erin Glover: <i>Facilitating students’ Reasoning about uncertainty in the context of making informal inferences: the role of curriculum and technology</i>
1:45–2:45 PM	Small group discussion
3:00–5:00 PM	Game day at Superior Shores (outdoor sports)
5:00–6:00 PM	Video viewing session 2 (optional)
6:00 to 7:30 PM	Dinner at Superior Shores
8:00 PM	Optional evening activity (TBA)

### Day 6: Friday, August 23, 2013

Focus of the day: **Children’s reasoning about uncertainty in primary school**

7:00–7:30 AM	Optional physical activity on the beach
7:45–8:30 AM	Breakfast. Espresso bar open.
8:30–9:00 AM	Reflection
9:00–10:30 AM	<b>Long presentation 8:</b> Jill Fielding-Wells, Katie Makar: <i>Inferring to a model: Using inquiry-based argumentation to challenge young children’s expectations of equally likely outcomes</i>
10:30–10:45 AM	Break
10:45 AM–12:15	<b>Long presentation 9:</b> Sibel Kazak, Taro Fujita, Rupert Wegerif: <i>“How confident are you?” Supporting young students’ reasoning</i>

PM	<i>about uncertainty in chance games through students' talk and computer simulations</i>
12:15–1:15 PM	Lunch at Superior Shores
1:15–2:15 PM	Small group discussion
2:30–5:00 PM	Trip to Split Rock Lighthouse
5:00–6:00 PM	Video viewing session 3 (optional)
6:30 to 10:00 PM	Farewell dinner ( <a href="#">New Scenic Café</a> )
10:15 PM	Return to Superior Shores

### **Day 7: Saturday, August 24, 2013**

Focus of the day: **Wrap-up and plan ahead - farewell**

7:00–7:30 AM	Optional physical activity on the beach
7:45 AM	Bring your luggage down to the meeting room
7:45–8:30 AM	Breakfast. Espresso bar open.
8:30–9:00 AM	Reflection
9:00–10:45 AM	Discussants' Panel: Andee Rubin, Maxine Pfannkuch, Rolf Biehler, Dave Pratt, and George Cobb
10:45–11:00 AM	Break
11:00 AM–1:00 PM	Looking Backward and Looking Forward–Whole group discussion
1:00–2:00 PM	Farewell lunch at Superior Shores
2:00 PM	Goodbyes–Drive back to Twin Cities

## **INSTRUCTIONS FOR DISCUSSANTS**

Discussants will actively participate in all sessions and discussions. In addition they will have time to share their own reflections and comments on the Forum in a panel on the concluding day.

## **PRESENTATION FORMAT**

The scientific program groups presentations thematically into clusters. A cluster consists of:

- 2-3 presentations (sometimes both long and short), combined with
- small group discussion (60 min), and
- a reflection discussion (30 min on the following day).

This structure allows each presenter to share the details of their research with the entire group, and in addition, permits the entire group to process the research findings and substantively interact with the cluster topic.

**Long presentations** will be 90 minutes long: 60 min for presentation and 30 minutes for discussion (not necessarily as two blocks). Presenters of long presentations are encouraged to present short excerpts of video clips (if available) and bring hand-outs of transcribed interviews/observations or other materials as needed. In the presentation, just a small subset of short research video will be presented, but presenters will have the opportunity to interact with video research data during three dedicated one-hour long sessions for this task. All presenters are requested to bring their video segments on a CD/DVD (bring several formats just in case one does not work).

**Short presentations** will be 30 minutes long: 15 min for presentation and 15 minutes for discussion (not necessarily as two blocks). Presenters are requested to prepare their slides accordingly in a concise and clear format, and to include discussion questions. We assume there is no room for video clips in such a short time, however if you wish to show one, please make sure it is no more than 2-3 min long, and provide a transcript.

## **ADDITIONAL VIDEO VIEWING SESSIONS**

We will have three one-hour optional video viewing sessions throughout the week. Please prepare extra video segments to show during these sessions.

## **INTERNET**

Superior Shores Resort and Conference Center will provide free wireless internet.

## **SOCIAL PROGRAM**

While at SRTL, we will enjoy the beautiful scenery that Northern Minnesota has to offer with trips to Gooseberry Falls and Split Rock Lighthouse. We will also have the opportunity to explore Two Harbors and Duluth.

In addition to our excursions, we will have social activities at Superior Shores, such as a bonfire, BBQ dinner, game day, and music night! For the music night, we recommend that you come prepared to share lyrics of your favorite song, as well as a clip of that song. Musical instruments are also welcome at SRTL.

## **TRAVEL GUIDE**

### **Travel from MSP to Two Harbors**

We will have two 15-passenger vans leaving the Twin Cities at 1:00 PM on Sunday, August 18. The drive from MSP to Two Harbors should take approximately 3 hours.

We will send you an email with details about pickup time and location and your driver (either Bob delMas or Dani BenZvi).

### **Climate**

SRTL-8 will take place in northern Minnesota, which experiences warm temperatures in the summer. In August, the average high temperature typically ranges from 65 to 75°F (approximately 18 to 24°C) with overnight lows ranging from about 45 to 60°F (approximately 7 to 15°C). The region has also been known to experience heat waves that make the temperature go above 80°F (about 27°C), though temperatures this high are rare in August. It is recommended that you check the weather before you pack, and bring some layers for cool weather along with clothing for warm weather. A warm hat and gloves will probably come in handy, especially at night. There is around a 40% chance of some type of precipitation throughout August, so do bring wet weather clothing. Also note that humidity can be high in August, ranging from 60% to 90% in terms of relative humidity, and dew points ranging from 50 to 60°F (approximately 10 to 15°C). For more information on the climate at Superior Shores Resort area, go to:

<http://weatherspark.com/averages/31818/Two-Harbors-Minnesota-United-States>

### **Clothing**

Although northern Minnesota is typically warm in the summer, please bring layers as the air conditioning can get cold inside of buildings, and the weather can also cool down, especially in the evenings. While the lake water will most likely be too cold for a swim, we recommend bringing a swimsuit if you would like to enjoy the hotel's swimming pool and whirlpool. Because our schedule includes a hiking excursion, you should plan to bring good hiking shoes. A raincoat and other raingear are also recommended (see the **Climate** section above). Mosquitoes are widespread in the summer. We will supply you with a few mosquito repellent wipes, but please bring additional mosquito repellent if you wish.

## **Electricity**

The USA operates on alternating current (AC) 120 volts, 60 Hertz main supply. For more information see <http://electricaloutlet.org/type-a> and <http://electricaloutlet.org/type-b>.

## **Currency**

Currency exchanges are available at the MSP airport but these charge a fee. However, the best way to obtain local currency is to withdraw cash at an ATM machine. There are some at the airport and that is the best place to get money. There are also ATMs in Two Harbors and Duluth if you wish to withdraw additional cash when we go to those places. Credit cards are accepted in restaurants, hotels and shops. MasterCard and VISA are widely accepted.

## **Weights & Measures**

The USA consistently uses the British system for all measures, including road signs (miles/hour) and gas (price displayed is per gallon).

## **Insurance**

It is recommended that participants arrange insurance for medical expenses, loss and accidents that may occur during the Forum. The University of Minnesota cannot be held responsible for any losses, damages or injuries.

## **Tax and Tipping**

Tax is not included in prices of items purchased at stores and restaurants. Tips of 15-20% are expected in restaurants, and tipping of around 10-15% is typical for taxis.

## **Time**

Minnesota operates on Greenwich Mean Time -6 hours. International time zones can be viewed at The World Clock - Time Zones Website ([www.timeanddate.com/worldclock/](http://www.timeanddate.com/worldclock/)).

## **Health and safety**

Water from the tap is of good quality and safe to drink. We will supply each person with a water bottle to fill regularly. Superior Shores is a rather safe area: you can walk and enjoy the scenery alone, even at night. In case of a medical emergency, Lake View Memorial Hospital is located a 5-minute drive away. This hospital has Urgent Care and Emergency services, as well as a pharmacy.

## **Visas**

Every international traveller needs to check with their own authorities regarding travel visas for traveling to the USA.