



Banff International Research Station

for Mathematical Innovation and Discovery

CANSSI Retreat

September 25 – 27, 2015

MEETING ROOMS

All lectures will be held in the lecture theater in the TransCanada Pipelines Pavilion (TCPL). An LCD projector, a laptop, a document camera, and blackboards are available for presentations. Meals are at Vistas dining room – look for the BIRS tables.

SCHEDULE

FRIDAY

- 16:00** Check-in begins (Front Desk – Professional Development Centre - open 24 hours)
- 18:00 – 19.30** **Dinner**
- 19.30 – 21.00**
- Introductions
 - Overview of CANSSI (Mary Thompson)
 - Scientific Presentations (Derek Bingham, John Braun, Erica Moodie)
 - Goals for Saturday (Nancy Reid)

SATURDAY

- 7:00-9:00** Breakfast
- 9:00 – 10.30** Full Group – blue sky brainstorming session
- 10.30 – 11.00** Coffee Break, TCPL
- 11.00 – 12.00** Breakout I
1. Connecting with Industry
 2. Training and Education
 3. Connecting with Health and Social Sciences
- 12.00 – 13.30** Lunch
- 13.30 – 15.00** Breakout II
4. Mathematical Sciences, 2019 and beyond
 5. International Outreach
 6. National Outreach and NCE Program
- 15.00 – 15.30** Coffee Break
- 15.30 – 17.00** Full Group – reports from break-out groups



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SUNDAY

7:00-9:00	Breakfast
9:00—10.30	Road-map forward
10.30 – 11.00	Coffee
11.00 – 13.30	Management group de-briefing

** 2-day workshops are welcome to use BIRS facilities (2nd Floor Lounge, TCPL, Reading Room) until 15:00 on Sunday, although participants are still required to checkout of the guest rooms by 12 noon. There is no coffee break service on Sunday afternoon, but self-serve coffee and tea are always available in the 2nd floor lounge, Corbett Hall. **

Group 1. Will Welch*, Alejandro Adem, Derek Bingham, Don Fraser, Luc Vinet, Nell Sedransk, Paul McNicholas, Richard Smith

Group 2. Hugh Chipman*, Alexandre Leblanc, Christian Robert, Jeannette Janssen, Jim Colliander, Liqun Wang, Matheus Grasselli, Yogendra Chaubey

Group 3. Erica Moodie*, Chad Gaffield, Jack Kalbfleisch, Mary Thompson, Paul Gustafson, Shelley Bull, Wesley Yung

Group 4. Nancy Reid*, Alejandro Adem, Alexandre Leblanc, Jeannette Janssen, Jim Colliander, Luc Vinet, Matheus Grasselli, Will Welch

Group 5. John Braun*, Chad Gaffield, Christian Robert, Derek Bingham, Jack Kalbfleisch, Nell Sedransk, Richard Smith, Yogendra Chaubey

Group 6. Mary Thompson*, Erica Moodie, Hugh Chipman, Liqun Wang, Paul Gustafson, Paul McNicholas, Shelley Bull, Wesley Yung, Don Fraser



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BREAKOUT GROUPS – Morning

The questions below are simply to get things started – there may well be other/better questions to be discussed. Be creative!

1. Connecting with Industry – Will Welch
 - Opportunities: Mitacs, NSERC Programs, ... ?
 - How does NSERC/Mitacs MOU change the landscape?
 - What do we do on Big Data?
 - What should CANSSI be doing to build and strengthen industry connections?
 - What strategies do we need for initiating discussions?
 - What ideas from the blue-sky morning session are most relevant for your topic?
 - ???

2. Education and Training – Hugh Chipman
 - Summer schools?
 - Distance courses in CRTs and outside?
 - New activities: High school? Undergrad? Grad?
 - What should the relationship be with SSC and CMS educational initiatives?
 - Feedback from math institutes on their educational activities?
 - What ideas from the blue-sky morning session are most relevant for your topic?
 - ???

3. Connecting to Health and Social Sciences – Erica Moodie
 - Joint programs?
 - Strategies for initiating discussions?
 - For example, graduates with policy experience + data science, or with biology + computational skills, very much in demand; presumably this is true for many areas of social science and health?
 - Should CANSSI respond to this; if yes, how?
 - What ideas from the blue-sky morning session are most relevant for your topic?
 - ???



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BREAKOUT GROUPS – Afternoon

The questions below are simply to get things started – there may well be other/better questions to be discussed. Be creative!

4. Mathematical Sciences, 2019 and beyond – Nancy Reid
 - Preparing for the CTRMS 2019 competition --
 - Discussions with NSERC?
 - Ideal relationship?
 - National network?
 - Expanding the envelope?
 - What ideas from the blue-sky morning session are most relevant for your topic?
 - ???

5. International Connections – John Braun
 - What do we want to gain from these?
 - How to decide on importance?
 - How to ensure the connections are more than ‘name only’?
 - What opportunities exist now?
 - What ideas from the blue-sky morning session are most relevant for your topic?
 - ???

6. National Outreach and the NCE Program – Mary Thompson
 - Linking with communities: computer science, industrial engineering, environmental science, applied math, ... ?
 - Bioinformatics, biostatistics, finance, actuarial science, ... ?
 - Building bridges and managing the scope: order of importance?
 - Strengths, weaknesses, opportunities?
 - What ideas from the blue-sky morning session are most relevant for your topic?
 - ???