Preliminary Schedule for AARMS ANALYSIS DAYS

Friday, January 20: **Non-Smooth Analysis Sessions**

8:00   Breakfast

9:00   Plenary Lecture: Alexander Ioffe (Technion)
Title: tba

10:00 Coffee and refreshments

10:30 Xianfu Wang (UBC Okanagan)
Title: tba - something on non-smooth analysis

11:00 Hristo Sendov (University of Guelph)
Title: Characterization of the higher-order derivatives of separable spectral functions

11:30 Pando Georgiev (University of Cincinnati)
Title: tba

12:00   Empty Slot

12:30 Lunch

2:00   Plenary Speaker: Boris Mordukhovich (Wayne State)
Title: tba

3:00   Qiji Jim Zhu (Western Michigan University) **D-Drive Lab**
Title: Variational Analysis and Alchemy

3:30   Gabor Pataki (UNC Chapel Hill)
Title: tba

4:00   Heinz Bauschke (UBC Okanagan)
Title: tba –something on convex analysis

4:30   Empty Slot

5:30   Plenary Speaker: Adrian Lewis (Cornell)
Title: tba

6:30   Reception   **CS Atrium**

Saturday, January 21: **General Analysis Sessions**

8:00   Breakfast

9:00   <u>Plenary Speaker: Peter Borwein</u> (Simon Fraser) *CS Auditorium*
        Title: Some Highly Computational Problems Somewhere between Diophantine
        Number Theory, Harmonic Analysis and Combinatorics

10:00   Coffee and refreshments

10:30   <u>Franklin Mendivil</u> (Acadia University)
        Title: tba

11:00   <u>Keith Taylor</u> (Dalhousie University)
        Title: Crystal symmetries and wavelets

11:30   <u>Margo Kondratieva</u> (Memorial University)
        Title: Discrete Green's theorem, series convergence acceleration, and
        surprising identities. (Joint work with S. Sadov)

12:00   Empty Slot

12:30 Lunch

2:00   <u>Plenary Speaker: Bruce Berndt</u> (Illinois)
        Title: The Five Strangest, Most Fascinating, Most Interesting Results in
        Ramanjuan's Lost Notebook (in the speaker's most humble opinion)

3:00   <u>Plenary Speaker: J F Rodrigues</u> (Coimbra and Lisbon)
        Title: Systems of Unilateral PDE Problems and Applications

4:00   <u>Pando Georgiev</u> (University of Cincinnati)
        Title: tba

4:30   <u>Jonathan Borwein</u> (Dalhousie University)
        Title: Computer-assisted Discovery and Proof of Generating Functions for
        Riemann's Zeta

5:00   Empty Slot

5:30   Empty Slot

6:30   Self-hosting Conference Dinner **Location TBA**

Locations

- Unless otherwise indicated, all events are located in the **GINIus Training Centre** on the Fourth Floor of the Faculty of Computer Science. Breakfast, Coffee and Lunch will be available on the large counter outside the Training Centre.

- Qiji Jim Zhu's presentation on Friday will be given via *Access Grid* link from Western Michigan University and can be attended in the **D-Drive Lab**, Fourth Floor, Faculty of Computer Science.

- Peter Borwein's Plenary Lecture on Saturday will be given via *Access Grid* link from Simon Fraser University and can be attended in the **Computer Science Auditorium** on the First floor, Faculty of Computer Science.

- The Reception on Friday evening will be held in the **Atrium**, Floor 0, Faculty of Computer Science

- The **conference web site** is http://projects.cs.dal.ca/ddrive/AARMS/