Banff International Research Station
for Mathematical Innovation and Discovery

Computational Mathematics of Discrete Surfaces
February 15-20, 2009

SCHEDULE

Sunday

16:00	Check-in begins (Front Desk - Professional Development Centre - open 24 hours)
17:30–19:30	Buffet Dinner, Sally Borden Building
20:00	Informal gathering in 2nd floor lounge, Corbett Hall
	Beverages and small assortment of snacks available on a cash honour-system.

Monday

7:00–8:45	Breakfast
8:45–9:00	Introduction and Welcome to BIRS by BIRS Station Manager, Max Bell 159
9:00–9:10	General Introduction
9:10–9:50	*Leonidas Guibas, Shape Decomposition using Modal Analysis*
9:50–10:30	*Cindy Grimm, Cross-parameterization through Reducing Stress and Strain*
10:30–10:50	Coffee Break, 2nd floor lounge, Corbett Hall.
10:50–11:30	*Matthias Nieser, Stripe Parameterization*
11:30–13:00	Lunch
13:00–14:00	Guided Tour of The Banff Centre; meet in the 2nd floor lounge, Corbett Hall
14:00	Group Photo; meet on the front steps of Corbett Hall
15:15–15:30	Coffee Break, 2nd floor lounge, Corbett Hall
15:30–16:10	*Brian Wyvill, Texture Mapping Implicit Surfaces*
16:10–16-50	*Kai Hormann, Maximum Entropy Coordinate for Arbitrary Polytopes*
16:50–17:30	*Tiberiu Popa, Detailed Geometric Capture of Garment Motion*
17:30–19:30	Dinner

Tuesday

7:00–9:00   Breakfast

9:10–9:50   *David Gu, Discrete Ricci Flow for Surfaces and 3-manifolds*
9:50–10:30   *Mario Botsch, FEM on Polyhedral Elements*

10:30–10:50   Coffee Break, 2nd floor lounge, Corbett Hall

10:50–11:30   *Martin Rumpf, Natural Time Discretization of Geometric Flows -*
    A PDE optimization approach

11:30–13:30   Lunch
14:00–15:15   Round table
15:15–15:30   Coffee Break, 2nd floor lounge, Corbett Hall

15:30–16:10   *Klaus Hildebrandt, Constrained-based Fairing of Curves and Surfaces*
16:10–16-50   *Denis Zorin, High-order Discrete Functionals and Mixed Finite Elements*
16:50–17:30   *Eitan Grinspun, Discrete Geometric Mechanics of Surfaces and Curves*

17:30–19:30   Dinner

Wednesday

7:00–9:00   Breakfast

9:10–9:50   *Scott Schaefer, Simplification of Articulated Meshes*
9:50–10:30   *Max Wardetzky, Discrete Morse Theory and Persistent Homology*

10:30–10:50   Coffee Break, 2nd floor lounge, Corbett Hall

10:50–11:30   *Richard Zhang, Delaunay Meshes*

11:30–13:30   Lunch

    Free Afternoon

17:30–19:30   Dinner

Thursday

7:00–9:00	Breakfast
9:10–9:50	*Tamal Dey, Lifting the Curse of Slivers from Surface Reconstruction*
9:50–10:30	*Johannes Wallner, Semidiscrete Surface Representations*
10:30–10:50	Coffee Break, 2nd floor lounge, Corbett Hall
10:50–11:30	*Jean-Marie Morvan, Curvature Measures of Discrete and Smooth Objects*
11:30–13:30	Lunch
15:15–15:30	Coffee Break, 2nd floor lounge, Corbett Hall
15:30–16:10	*Pierre Alliez, Practical Isotropic Tetrahedral Mesh Generation*
16:10–16-50	tba
16:50—17:30	tba
17:30–19:30	Dinner

Friday

7:00–9:00	Breakfast
9:00–10:00	Informal Discussions
10:00–10:30	Coffee Break, 2nd floor lounge, Corbett Hall
10:30–11:30	Informal Discussions
11:30–13:30	Lunch

Checkout by 12 noon.

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ABSTRACTS
(in alphabetic order by speaker surname)

Speaker: **Name** (Affiliation)
Title: *Title*
Abstract: Abstract Text

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