**Geometric Evolution Equations**
**Banff, Canada July 25th – 29th , 2004**

**Sunday, July 25**

**8:45 – 9:00**  Welcome by Andrea Lundquist, BIRS Station Manager

**9:00 – 9:50**  Gerhard Huisken, "Mean curvature flow with surgeries of 2-convex hypersurfaces I"

**10:00 – 10:30**  Break

**10:30 – 11:20**  Carlo Sinestrari, "Mean curvature flow with surgeries of 2-convex hypersurfaces II"

**11:30 – 1:00**  Lunch

**1:00**  Guided tour of Banff Centre

**2:00 – 2:50**  Miles Simon, "Ricci flow of L^infinity metrics on three Manifolds

**3:00 – 3:30**  Break

**3:30 – 4:20**  Michael Chu, "The application of geometry at infinity to the Ricci flow"

**Monday, July 26**

**9:00 – 9:50**  Brian White, "New applications of mean curvature flow to minimal surface theory"

**10:00 – 10:30**  Break

**10:30 – 11:20**  Tom Ivey, "Some results and open problems on Ricci solitons"

**11:30 – 1:30**  Lunch

**1:30– 2:20**  Natasa Sesum, "Convergence of the Ricci flow to the solitons"

**2:30 – 3:00**  Break

**3:00 – 3:50**  Albert Chau, "Uniformization of non-compact gradient Kaehler Ricci solitons with positive curvature"

**4:00** Ricci flow open problem session, moderated by Lei Ni

**Tuesday, July 27**

**9:00 – 9:50**  Dan Knopf, "Precise asymptotics of the Ricci flow neckpinch"

**10:00 – 10:30**  Break

**10:30 – 11:20**  Xiaodong Cao, "Isoperimetric estimate for the Ricci flow on  $S^2$ x $S^1$"

**11:30**  Group Photo

**12:00 – 1:30**  Lunch

**Afternoon** Free

**Wednesday, July 28**

**9:00 – 9:50**  Michael Struwe, "A flow approach to Nirenberg's problem, and to the problem of prescribed Q-curvature"

**10:00 – 10:30**  Break

**10:30 – 11:20**  Luen-fai Tam, "Boundary behaviors of compact manifolds with nonnegative scalar curvature"

**11:30 – 1:30**  Lunch

**1:30– 2:20**  James McCoy, "Mixed volume preserving curvature flows"

**2:30 – 3:00**  Break

**3:00 – 3:50**  John Buckland, "Mean curvature flow with free boundary on smooth hypersurfaces"

**4:00**  Mean curvature flow open problem session, moderated by Gerhard Huisken

**Thursday, July 29**

**9:00 – 9:50**  Min-Chun Hong, TBA

**Open**