Monday, September 11
9:30 – 10:30 Ben Weinkove: Geometric flows and moment maps, part I
10:00 – 10:30 Tea Break
11:00 – 12:00 Jiaping Wang: Stability of harmonic functions
Abstract: We aim to explain a result of P. Li and L. Tam relating the harmonic functions to the number of ends of a complete manifold. We start with their constructive proof of the existence of Green's function, and use the result to show the stability of the space of harmonic functions under the perturbation within a compact domain. We then reach the conclusion by carrying out a straightforward construction of the so-called barrier function on each end.

Tuesday September 12
9:30 – 10:30 Ben Weinkove: Geometric flows and moment maps, part II
10:00 – 10:30 Tea Break
11:00 – 12:00 Jiaping Wang: Sharp estimate of Green's function and applications
Abstract: We will establish a sharp integral decay estimate of the minimal positive Green's function on a complete manifold with positive spectrum. Some applications will also be discussed.

Wednesday September 13
9:30 – 10:30 Tom Ilmanen: TBA, Part I
10:00 – 10:30 Tea Break
11:00 – 12:00 Andre Neves: Lagrangian mean curvature flow, Part II
12:00 – 2:00 Lunch
No talks in the afternoon

Thursday September 14
9:30 – 10:30 Tom Ilmanen: TBA, Part II
10:00 – 10:30 Tea Break
11:00 – 12:00 Jian Song: The Kaehler-Ricci flow on surfaces, Part I
Abstract: We study the Kaehler-Ricci flow on minimal surfaces of Kodaira dimension one and show that the flow collapses and converges to a unique canonical metric on its canonical model. Such a canonical metric is a generalized Kaehler-Einstein metric. Combining the results of Cao, Tsuji, Tian and Zhang, we give a metric classification for Kaehler surfaces with a numerically effective canonical line bundle
by the Kaehler-Ricci flow. In general, we propose to find canonical metrics on the canonical models of projective varieties of positive Kodaira dimension. This is a joint work with G. Tian.

12:00 – 2:00 Lunch
2:00 – 3:00 Albert Chau: Uniformization of complete non-compact Kaehler manifolds and the Kaehler Ricci flow, Part I

Friday September 15
9:30 – 10:30 Jian Song: The Kaehler-Ricci flow on surfaces, Part II
10:00 – 10:30 Tea Break
11am – 12:00 Albert Chau: Uniformization of complete non-compact Kaehler manifolds and the Kaehler Ricci flow, Part II
12:00 – 2:00 Lunch
2:00 – 3:00 Zhou Zhang: Kaehler-Ricci Flows over Manifolds of General Type