

1 Sunday July 21

4:00 Arrival

5:00 Zsuzsunna Dancso, Quantum groups and crystals

7:00 Dinner

2 Monday July 22

7:00 Breakfast

9:00 Daniel Rowe, Crystals and PBW bases; a definition of MV polytopes

10:30 Bruce Fontaine, Recognizing and using MV polytopes.

12:00 Lunch

4:00 Iva Halacheva, Crystals and quiver varieties

5:30 Peter Samuelson, Harder-Narasimhan filtrations and Reflection functors on Lusztig's quiver varieties

7:00 Dinner

3 Tuesday July 23

7:00 Breakfast

9:00 Chia-Cheng Liu, KLR/Quiver-Hecke algebra

10:30 Stephen Morgan, Polytopes from representations of KLR algebras

12:00 Lunch

4:00 Dinakar Muthiah, More properties of KLR-polytopes: face crystals, affine type, and beyond

5:30 Lucy Kadets, The affine Grassmannian and MV cycles

7:00 Dinner

4 Monday July 22

7:00 Breakfast

9:00 Alex Weekes, Crystal structure on MV cycles and polytopes

10:30 Open problem discussion

12:00 Lunch

1:00 Departure