

**Low-Dimensional Topology**  
**6-10 January 2020**  
**University of Oxford - L5**

**Schedule**

**Monday, January 6**

- 9:30 Registration  
10:00-11:00 Peter Kronheimer, *Genus versus double-points for immersed surfaces, and some concordance invariants of knots*  
11:00-11:30 Coffee  
11:30-12:30 Tomasz Mrowka, *Bar Natan in the wild*  
12:30-14:30 Lunch  
14:30-15:30 Francesco Lin, *The Froyshov invariant and closed geodesics*  
15:30-16:00 Coffee  
16:00-17:00 Andrew Lobb, *Concordance and  $sl(n)$  knot cohomologies*

**Tuesday, January 7**

- 10:00-11:00 Steven Sivek, *Instantons and L-space surgeries*  
11:00-11:30 Coffee  
11:30-12:30 Jacob Rasmussen, *An  $SL_2(\mathbb{R})$  Lin invariant*  
12:30-14:30 Lunch  
14:30-15:30 Adam Levine, *Khovanov homology, ribbon concordance, and split cobordisms*  
15:30-16:00 Coffee  
16:00-17:00 Nathan Dowlin, *An algebraically defined knot Floer type invariant*

**Wednesday, January 8**

- 10:00-11:00 Cameron Gordon, *Unsolvable problems about knotted surfaces*  
11:00-11:30 Coffee  
11:30-12:30 Maggie Miller, *Concordance of light bulbs*  
12:30-14:30 Lunch  
14:30-15:30 Lisa Piccirillo, *The trace embedding lemma and spinelessness*  
15:30-16:00 Coffee

**Thursday, January 9**

- 10:00-11:00 Andras Némethi, *Delta invariant of curves on rational surface singularities*  
11:00-11:30 Coffee  
11:30-12:30 Marco Golla, *Möbius bands and the square peg problem*  
12:30-14:30 Lunch  
14:30-15:30 Ian Zemke, *Ribbon concordances and knot Floer homology*  
15:30-16:00 Coffee  
16:00-17:00 Sarah Rasmussen, *Left orders and taut foliations in Heegaard genus 2*

**Friday, January 10**

- 10:00-11:00 Arunima Ray, *Embedding spheres in knot traces*  
11:00-11:30 Coffee  
11:30-12:30 Daniel Ruberman, *The monopole Lefschetz number*  
12:30-14:30 Lunch