Gauge Theory and Topology 24-28 July 2023 L1

Schedule

Monday,	24	July
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Monday, 24 July			
10:00-10:30	Registration		
10:30-11:30	Rosa Sena-Dias, Einstein metrics from the Calabi ansatz via Derdziński duality		
11:45-12:45	Steven Sivek, <i>Homology RP^3s and SL(2,C)</i>		
12:45-14:30	Lunch		
14:30-15:30	Raphael Zentner, SL(2,C)-character varieties of knots and maps of degree 1		
15:30-16:00	Coffee		
16:00-17:00	Andras Juhász, The unknotting number, hard unknot diagrams, and Reinforcement Learning		
Tuesday, 25 July			
9:00-10:00	Ian Zemke, Perspectives on the Heegaard Floer surgery formulas		
10:00-10:30	Coffee		
10:300-11:30	Yi Xie, Kontsevich's characteristic classes and the diffeomorphism groups of 4-manifolds		
11:45-12:45	Zoltan Szabó, Knot Floer homology and Pong algebras		
12:45-14:30	Lunch		
14:30-15:30	Peter Ozsváth, Constructions in bordered Floer homology		
15:30-16:00	Coffee		
16:00-17:00	Kristen Hendricks, Naturality issues in involutive Heegaard Floer homology		
Wednesday, 26 July			
9:00-10:00	Maggie Miller, Splitting spheres in S^4		
10:00-10:30	Coffee		
10:300-11:30	Joshua Wang, <i>Progress towards the colored sl(N) homology of T(2,m)</i>		
11:45-12:45	Nigel Hitchin, ALE spaces revisited		
Thursday, 27 July			
10:00-11:00	Lisa Piccirillo, Building closed exotic manifolds by hand		
11:00-11:30	Coffee		
11:30-12:30	Hokuto Konno, Exotic Dehn twists on 4-manifolds		
12:30-14:00	Lunch		
14:00-15:00	Arunima Ray, Surfaces in 4-manifolds		
15:00-15:30	Coffee		
15:30-14:30	Tom Mrowka, Thirty years of working with Peter		
Friday, 28 Jul	ly		
10:00-11:00	Mohammed Abouzaid, Floer homotopy as a bordism theory		
11:00-11:30	Coffee		
11:30-12:30	Hiraku Nakajima, Coulomb branches and singular monopole moduli		
12:30-14:30	Lunch		
14:30-15:30	Ali Daemi, The knot complement problem for nullhomotopic knots		
15:30-16:00	Coffee		
16:00-17:00	Daniel Ruberman, Homotopy properties of diffeomorphism groups and spaces of positive scalar curvature on 4-manifolds		