

**Multi-valued Harmonicity
Schedule
L1**

Monday 21 September

- 9:00-10:00 Thomas Walpuski, *Universal moduli spaces of $\mathbb{Z}/2\mathbb{Z}$ harmonic spinors*
10:00-10:30 Coffee
10:30-11:30 Simon Donaldson (via Zoom), *Multivalued maximal sections*
11:30-12:30 Yang Li, *$\mathbb{Z}/2$ harmonic 1-forms from Fueter sections to monopole moduli bundles*
12:30-14:30 Lunch
14:30-15:30 Dashen Yan, *Dynamical Aspects of Multivalued Harmonic 1-Forms*
15:30-16:00 Coffee
16:00-17:00 Therese Wu, *Novel local models for homogeneous $\mathbb{Z}/2$ harmonic forms and spinors on $\mathbb{R}^4$*

Tuesday 22 September

- 9:30-10:30 Neshan Wickramasekera, *Planar frequency, asymptotic normal forms, and local topology of area-minimizing currents*
10:30-11:00 Coffee
11:00-12:00 Cristina De Filippis, *On the Born-Infeld model*
12:00-14:00 Lunch
14:00-15:00 Anna Skorobogatova, *$\text{mod}(q)$ area-minimizing currents: structure and singularities*
15:00-15:30 Coffee
15:30-16:30 Federico Franceschini, *Scalar approach to $\mathbb{Z}_2$ eigensections: thin obstacles and spectral partitions*

Wednesday 23 September

- 10:00-11:00 Rafe Mazzeo, *Overdetermined problems in geometry*
11:00-11:30 Coffee
11:30-12:30 Tomer Schlank, *The Stable Homotopy Groups of Spheres*
12:30-14:00 Lunch
14:00-15:00 Hong Wang, *Orthogonal projections for a restricted family of directions*
15:00-15:30 Coffee
15:30-16:30 Wei Zhang, *Arithmetic Diagonal Cycles and L-Functions*
16:40-17:30 Peter Varju, *The work of Orponen, Shmerkin, Wang, Zahl*
Mike Hopkins, *The work of Burklund, Hahn, Levy, Schlank*
Thomas Clay, *Presentation of the 2026 Clay Research Awards*
17:30-19:00 Reception in the Mathematical Institute
19:00 Dinner for invited guests, Exeter College

Thursday 24 September

- 9:30-10:30 Alessandra Pluda, *Inverse mean curvature flow and applications*
10:30-11:00 Coffee
11:00-12:00 Greg Parker, *Choices of Infinite-Dimensional Gauge in Deformations of Submanifolds*
12:00-14:00 Lunch
14:00-15:00 Andriy Haydys, *Deformation rigidity for $\mathbb{Z}/2$ eigensections*
15:00-15:30 Coffee
15:30-16:30 Andries Salm, *Metric perturbations of degenerate $\mathbb{Z}/2$ -harmonic 1-forms*

Friday 25 September

- 9:30-10:30 Siqi He, *Some examples of $\mathbb{Z}/2$ -harmonic 1-forms in dimension three*
10:30-11:00 Coffee
11:00-12:00 Ryosuke Takahashi, *Adiabatic limit of APS-boundary conditions, trace maps and $\mathbb{Z}_2$ -harmonic spinors*