

Center for Mathematics at Notre Dame

INTERNATIONAL CONFERENCE

Monday June 26 – Friday June 30, 2023

University of Notre Dame

SCHEDULE

**All talks will be held in 127 Hayes-Healy and Coffee Breaks/Registration in 257 Hurley*

Monday June 26, 2023

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| 10:00 am | Registration/Coffee & Tea/Continental Breakfast |
| 10:30 am | Nathan Chen, Columbia University <i>Minimal degree curves on very general hypersurfaces</i> |
| 11:30 am | Lunch |
| 1:30 pm | Lena Ji, University of Michigan <i>Intermediate Jacobian torsors and rationality over non-closed fields</i> |
| 2:30 pm | Coffee & Tea/ Snacks |
| 3:00 pm | Deepam Patel, Purdue University <i>Enriched Hodge Structures</i> |
| 5:30 pm | Welcome Reception, Rohr's Bistro at the Morris Inn |

Tuesday June 27, 2023

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| 9:00 am | Coffee & Tea/Continental Breakfast |
| 9:30 am | Sándor Kovács, University of Washington <i>Arakelov inequalities in higher dimensions: boundedness and hyperbolicity</i> |
| 10:30 am | Coffee & Tea/ Snacks |
| 11:00 am | Sai-Kee Yeung, Purdue University <i>Hyperbolicity from the perspective of Carathéodory geometry</i> |
| 12:00 pm | Lunch |
| 2:00 pm | Laure Flapan, Michigan State University <i>Fixed loci of anti-symplectic involutions of hyperkähler manifolds</i> |
| 3:00 pm | Coffee & Tea/ Snacks |
| 3:30 pm | Amos Turchet, Università degli studi Roma Tre <i>Arithmetic and Algebraic Hyperbolicity of pairs</i> |

Wednesday June 28, 2023

- 9:00 am Coffee & Tea/Continental Breakfast
- 9:30 am David Stapleton, University of Michigan
Birational Geometry of complex Fano hypersurfaces via characteristic p
- 10:30 am Coffee/Tea/Snacks
- 11:00 am Cinzia Casagrande, Università degli studi di Torino
Fano 4-folds with $b_2 > 12$ are products of surfaces

Thursday June 29, 2023

- 9:00 am Coffee & Tea/Continental Breakfast
- 9:30 am Zhiyu Tian (via Zoom), Peking University
Deformation of stable maps and algebraic equivalence
- 10:30 am Coffee & Tea/ Snacks
- 11:00 am Julie Wang, Academia Sinica
GCD theorems and applications toward Vojta's abc conjecture for function fields
- 12:00 pm Lunch
- 2:00 pm Erwan Rousseau, Université de Bretagne Occidentale
An Albanese construction for Campana's C-pairs
- 3:00 pm Coffee & Tea/ Snacks
- 3:30 pm Jackson Morrow, University of California Berkeley
Boundedness of hyperbolic varieties
- 6:00 pm Banquet Dinner, McKenna Hall in Rooms 205,206,207

Friday June 30, 2023

- 9:00 am Coffee & Tea/Continental Breakfast
- 9:30 am Steven Lu, Université du Québec à Montréal
- 10:30 am Coffee & Tea/ Snacks
- 11:00 am Kenny Ascher, University of California Irvine
Wall-crossing and moduli spaces of higher dimensional varieties