

GADEPs focused conference III: Noether-Lefschetz and Hodge loci

IMPA, Rio de Janeiro, August 21 - 25, 2023

Auditorium 1

The speakers marked with an * will give online lectures

BRT TIME	Monday, 21
9:00 - 9:55	Patrick Brosnan - <i>Why Markman's theorem saves the Hodge conjecture (for Weil type abelian fourfolds) from Kontsevich's tropical counterexamples - Part 1</i>
9:55 - 10:30	Coffee Break
10:30 - 11:25	Roberto Villaflor - <i>Periods of algebraic cycles and Hodge loci - Part 1</i>
11:25 - 11:40	Coffee Break
11:40 - 12:35	Claire Voisin - <i>Strong representability of 1-cycles on rationally connected threefolds (*)</i>
12:35 - 16:00	Lunch Break
16:00 - 16:55	Gregorio Baldi - <i>On the distribution of the Hodge locus - Part 1</i>
16:55 - 17:10	Coffee Break
17:10 - 18:05	Jorge Duque - <i>Components of Hodge loci of minimal codimension</i>
	Tuesday, 22
9:00 - 9:55	Patrick Brosnan - <i>Why Markman's theorem saves the Hodge conjecture (for Weil type abelian fourfolds) from Kontsevich's tropical counterexamples - Part 2</i>
9:55 - 10:30	Coffee Break
10:30 - 11:25	Roberto Villaflor - <i>Periods of algebraic cycles and Hodge loci - Part 2</i>
11:25 - 11:40	Coffee Break
11:40 - 12:35	Christian Schnell - <i>Finiteness for self-dual classes in variations of Hodge structure (*)</i>
12:35 - 14:00	Lunch Break
14:00 - 14:55	Gregorio Baldi - <i>On the distribution of the Hodge locus - Part 2</i>
14:55 - 15:30	Coffee Break
15:30 - 16:25	Hossein Movasati - <i>GADEPs problems</i>
	Conference Dinner
	Wednesday, 23
	Free Day
	Thursday, 24
10:30 - 11:25	Khelifa Nazim - <i>A criterion for density of Hodge loci (Joint with David Urbanik)</i>
11:25 - 11:40	Coffee Break
11:40 - 12:35	Adrian Clingher - <i>On K3 Surfaces with Lattice Polarization (*)</i>
12:35 - 14:00	Lunch Break
14:00 - 14:55	Salim Tayou - <i>On the non-abelian Hodge locus</i>
14:55 - 15:30	Coffee Break
15:30 - 16:25	Emre Sertöz - <i>Computing linear relations between 1-periods</i>
16:30 - 17:25	François Greer - <i>Quasi-Modularity of Hodge Cycles - Part 1</i>
	Friday, 25
9:00 - 9:55	François Greer - <i>Quasi-Modularity of Hodge Cycles - Part 2</i>
9:55 - 10:30	Coffee Break
10:30 - 11:25	Gregory Pearlstein - <i>Infinitesimal Torelli and rigidity results for a remarkable class of elliptic surfaces (*)</i>
11:25 - 11:40	Coffee Break
11:40 - 12:35	Jin Cao - <i>Quasi Jacobi forms and moduli space of enhanced elliptic curve</i>
12:35 - 14:00	Lunch Break
14:00 - 14:55	Tiago J. da Fonseca - <i>Motivic interpretation of higher Green's functions</i>