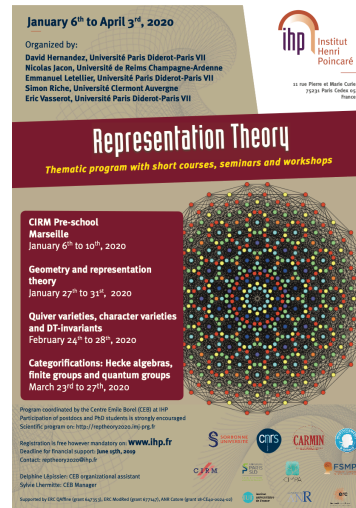


« Representation Theory » Paris, January 6th – April 3rd, 2020

Workshop « Quiver varieties, character varieties and DT-invariants » Paris, February 24th – 28th, 2020

Thematic program of the Centre Émile Borel

Amphitheater Hermite



Scientific Committee : Emmanuel Letellier (Université Paris Diderot-Paris VII), Eric Vasserot (Université Paris Diderot-Paris VII)

Invited Speaker

- Noah ABERSFELD (Imperial College London)
- Gwen BELLAMY (University of Glasgow)
- Alexis BOUTHIER (IMJ-PRG)
- Alexander BRAVERMAN (University of Toronto and Perimeter Institute)
- Mark Andrea DE CATALDO (SUNY Stony Brook)
- Juliang CHEN (MIT)
- Ben DAVISON (University of Edinburgh)
- Ryo FUJITA (Kyoto University)
- Sergei GUKOV (Caltech)
- Tamas HAUSEL (IST Austria)
- Jochen HEINLOTH (Universität Duisburg-Essen)
- Kevin MCGERTY (University of Oxford)
- Anton MELLIT (University of Vienna)
- Martin MEREB (Universidad de Buenos Aires)
- Travis SCHEDLER (Imperial College London)
- Gus SCHRADER (University of Columbia)
- Fernando VILLEGAS (ICTP)
- Dimitri WYSS (EPFL)

PROGRAM

MONDAY FEBRUARY 24th

09.00 am – 09.30 am	Registration – IHP ground floor	
09.30 am – 10.30 am	Alexander BRAVERMAN	Categorical symplectic duality for some quiver varieties
10.30 am – 11.00 am	Coffee break	IHP second floor
11.00 am – 12.00 pm	Jochen HEINLOTH	Supports and monodromy of the Hitchin fibration
12.00 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Anton MELLIT	The curious hard Lefschetz property for character varieties
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Dimitri WYSS	Irregular open de Rham spaces and quivers with multiplicities

TUESDAY FEBRUARY 25th

09.30 am – 10.30 am	Travis SCHEDLER	Singularities of Moduli of 2-Calabi-Yau's: Quiver and character varieties
10.30 am – 11.00 am	Coffee break	IHP second floor
11.00 am – 12.00 pm	Noah ARBESFELD	Boxcounting and Quot schemes
12.00 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Gus SCHRADER	Coulomb branches and cluster DT transformations
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Gwyn BELLAMY	Resolutions of symplectic quotient singularities

06.00 pm – 08.00 pm **Cocktail dinner party**
Registration starting at 05.30 pm

Institut Henri Poincaré
Centre Emile Borel
2nd Floor Lounge
11, rue Pierre et Marie Curie
75005 PARIS
Note: Bring your ID card or Passport

WEDNESDAY FEBRUARY 26th

09.30 am – 10.30 am	Ben DAVISON	The less perverse filtration in K3 categories
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 12.00 pm	Martin MEREB	Some counting techniques for character varieties

THURSDAY FEBRUARY 27th

09.30 am – 10.30 am	Tamas HAUSEL	An enumerative approach to P=W
10.30 am – 11.00 am	Coffee break	IHP second floor
11.00 am – 12.00 pm	Ryo FUJITA	Graded quiver varieties and singularities of normalized R-matrices for fundamental modules
12.00 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Kevin McGERTY	On hyper-Kahler Kirwan surjectivity
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Fernando VILLEGAS	Kirillov-Reshetikin and the Kac polynomial at $q=1$

FRIDAY FEBRUARY 28th

09.00 am – 10.00 am	Juliang SHEN	Hitchin systems, hyper-Kaehler geometry, and the P=W conjecture
10.00 am – 10.15 am	Coffee break	IHP second floor
10.15 am – 11.30 am	Mark DE CATALDO	The Hodge numbers of O'Grady 10 via Ngô strings
11.30 am – 12.30 pm	Alexis BOUTHIER	Perverse Sheaves and Affine Springer Theory
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Sergei GUKOV	SL(2,C) character varieties and DT-invariants
03.00 pm – 03.30 pm	Coffee break	IHP second floor

More information of the trimester «Representation Theory»: <http://repthory2020.imj-prg.fr/>



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