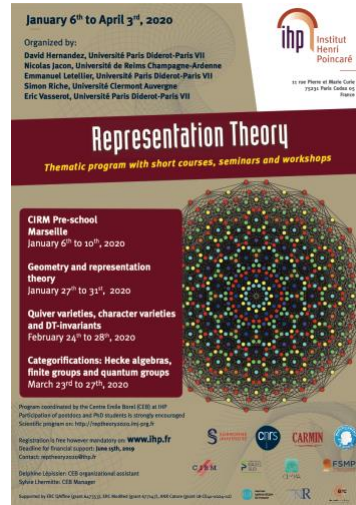


« Representation Theory » Paris, January 6th – April 3rd, 2020

Workshop « Geometry and representation theory » Paris, January 27th – 31st, 2020

Thematic program of the Centre Émile Borel

Amphitheater Hermite



Scientific Committee : Daniel Juteau (Université de Paris), Simon Riche (Université Clermont Auvergne), Peng Shan (Tsinghua University)

Invited Speaker

- Noriyuki ABE (University of Tokyo),
- Pramod ACHAR (Louisiana State University)
- Tomoyuki ARAKAWA (RIMS, Kyoto University)
- Pierre BAUMANN (CNRS, Université de Strasbourg)
- Jonathan BRUNDAN (University of Oregon)
- Ivan CHEREDNIK (University of North Carolina)
- Dan CIUBOTARU (University of Oxford)
- Kevin COULEMBIER (University of Sydney)
- Michael FINKELBERG (National Research Univ. H. S. E.)
- Amit HAZI (City University)
- Rinat KEDEM (University of Illinois)
- Alexander KLESHCHEV (University of Oregon)
- Ivan LOSEV (Yale University)
- Shotaro MAKISUMI (Columbia University)
- Volodymyr MAZORCHUK (Uppsala University)
- Peter McNAMARA (University of Melbourne)
- Anne MOREAU (Université Lille 1)
- Emily NORTON (University of Kaiserslautern)
- Mark SHIMOZONO (Virginia Tech)
- Catharina STROPPEL (University of Bonn)
- Ulrich THIEL (University of Kaiserslautern)

PROGRAM

MONDAY JANUARY 27th

09.30 am – 10.00 am	Registration – IHP ground floor	
10.00 am – 11.00 am	Alexander KLESHCHEV	RoCK blocks for symmetric groups and Schur algebras
11.00 am – 11.30 am	Coffee break	IHP second floor
11.30 am – 12.30 pm	Rinat KEDEM	Toda Hamiltonians for the quantum Q-system
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Ulrich THIEL	Symplectic leaves in Calogero–Moser spaces
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Kevin COULEMBIER	Some homological and combinatorial properties of highest weight categories

TUESDAY JANUARY 28th

09.00 am – 10.00 am	Ivan LOSEV	On equivariantly irreducible modular representations of semisimple Lie algebras
10.00 am – 11.00 am	Michaël FINKELBERG	Satake equivalence for classical supergroups
11.00 am – 11.30 am	Coffee break	IHP second floor
11.30 am – 12.30 pm	Pramod ACHAR	Around the Humphreys conjecture
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Peter MCNAMARA	Braid group actions, KLR algebras and geometry
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Pierre BAUMANN	Equivariant multiplicities of Mirkovic–Vilonen cycles and Weyl group action
06.00 pm – 08.00 pm	Cocktail dinner party	
Registration starting at 05.30 pm		Sorbonne Université Zamansky Tower– 24th floor 4 place Jussieu – 75005 Paris Subway line 7 – Station: Jussieu Note: Bring your ID card or Passport

WEDNESDAY JANUARY 29th

09.00am – 10.00 am	Tomoyuki ARAKAWA	Coset construction of W-algebras and applications
10.00 am – 11.00 am	Catharina STROPPEL	From Deligne categories to the representation theory of Lie supergroups
11.00 am – 11.30 am	Coffee break	IHP ground floor
11.30 am – 12.30 pm	Amit HAZI	Ringel duality for Soergel bimodules

THURSDAY JANUARY 30rd

09.00 am – 10.00 am	Volodymyr MAZORCHUK	Simple 2-representations of Soergel bimodules
10.00 am – 11.00 am	Dan CIUBOTARU	Elliptic representations of affine Hecke algebras and the nonabelian Fourier transform
11.00 am – 11.30 am	Coffee break	IHP second floor
11.30 am – 12.30 pm.	Ivan CHEREDNIK	DAHA superpolynomials
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Emily NORTON	Generalized Mullineux involution and perverse equivalences
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Mark SHIMOZONO	Wreath Macdonald polynomials

FRIDAY JANUARY 31st

09.00 am – 10.00 am	Noriyuki ABE	On Soergel bimodules
10.00 am – 11.00 am	Anne MOREAU	Chiral symplectic leaves and arc spaces
11.00 am – 11.30 am	Coffee break	IHP second floor
11.30 am – 12.30 pm	Shotaro MAKISUMI	TBA
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Jonathan BRUNDAN	Heisenberg and Kac–Moody categorification

More information of the trimester «Representation Theory»: <http://repththeory2020.imj-prg.fr/>



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