

Conference Model Theory and Applications

26 - 30 March 2018, IHP, amphitheater Hermite

Scientific Committee

[Elisabeth Bouscaren](#) (CNRS – Orsay)

[Antoine Chambert-Loir](#) (Paris-Diderot)

[David Marker](#) (UI Chicago)

[Anand Pillay](#) (Notre Dame, chair)

[Frank Wagner](#) (Lyon 1).

For more information, please visit <http://modvac18.math.ens.fr/W3.html>

«Model Theory, Combinatorics and Valued Fields»

Paris January 8th – April 6th, 2018

Conference «Model Theory and Applications»

Paris, March 26th – 30th, 2018

Amphitheater Hermite and Darboux (Retransmission)



All lectures will be videotaped



Scientific Committee : Elisabeth Bouscaren (CNRS - Orsay), Antoine Chambert-Loir (Paris-Diderot), David Marker (UI Chicago), Anand Pillay (Notre Dame, chair), Frank Wagner (Lyon 1)

Invited speakers :

Özlem Beyarslan (Boğaziçi University)
 Martin Hils (Münster)
 Ehud Hrushovski (Oxford)
 Rémi Jaoui (Waterloo)
 Itay Kaplan (Hebrew University, Jerusalem)
 Krzysztof Krupinski (Uniwersytet Wrocławski/Mathematical Institute)

François Loeser (Sorbonne Université)
 Dugald Macpherson (Leeds)
 Rahim Moosa (Waterloo)
 Joel Nagloo (City University of New York)
 Alf Onshuus (Universidad de los Andes)
 Kobi Peterzil (Haifa)
 Jonathan Pila (Oxford)

Tamara Servi (Université Paris-Diderot)
 Jozsef Solymosi (University of British Columbia)
 Katrin Tent (Münster)
 Lou Van den Dries (University of Illinois, Urbana)
 Julia Wolf (Bristol)
 Dimitry Wyss (Sorbonne Université)

PROGRAM

Monday March 26th

09.00 am – 09.30 am	Registration and welcome coffee – IHP ground floor	
09.30 am – 10.20 am	Ehud Hrushovski	A tour of globally valued fields.
10.20 am – 10.50 am	Coffee break	IHP ground floor
10.50 am – 11.40 am	Jozsef Solymosi	Structure from density.
11.40 am – 02.00 pm	Lunch break	
02.00 pm – 02.50 pm	Julia Wolf	The structure of stable sets.
03.00 pm – 03.50 pm	Krzysztof Krupinski	Boundedness and absoluteness of some dynamical invariants in model theory.
03.50 pm – 04.20 pm	Coffee break	IHP ground floor
04.20 pm – 05.10 pm	Alf Onshuus	On groups definable in geometric fields.

Tuesday March 27th

09.30 am – 10.20 am	Jonathan Pila	Ax-Schanuel for Shimura varieties.
10.20 am – 10.50 am	Coffee break	IHP ground floor
10.50 am – 11.40 am	Kobi Peterzil	Strongly minimal groups in o-minimal structures.
11.40 am – 02.00 pm	Lunch break	
02.00 pm – 02.50 pm	Rémi Jaoui	Disintegrated differential equations and mixing Anosov flows.
03.00 pm – 03.50 pm	Lou Van den Dries	Abraham Robinson's legacy in model theory and its applications.
03.50 pm – 04.20 pm	Coffee break	IHP ground floor
04.20 pm – 05.10 pm	Tamara Servi	On local interdefinability of (real and complex) analytic functions.

06.00 pm – 10.00 pm Cocktail Dinner

Registration starting at 05.30 pm

**Pierre and Marie Curie University
Zamansky Tower – 24th floor
4 place Jussieu – 75005 Paris
Subway line 7 – Station : Jussieu
Note : Bring your ID card or Passport**

Wednesday March 28th

09.30 am – 10.20 am	Martin Hils	Definable equivariant retractions onto skeleta in non-Archimedean geometry.
10.20 am – 10.50 am	Coffee break	IHP ground floor
10.50 am – 11.40 am	Rahim Moosa	D-varieties and the Dixmier-Moeglin equivalence.

Free Afternoon

Thursday March 29th

09.30 am – 10.20 am	François Loeser	Nonarchimedean integrals as limits of complex integrals.
10.20 am – 10.50 am	Coffee break	IHP ground floor
10.50 am – 11.40 am	Dimitry Wyss	p-adic integration along the Hitchin fibration and applications.
11.40 am – 02.00 pm	Lunch break	
02.00 pm – 02.50 pm	Özlem Beyarslan	Model theory of fields with virtually free group actions.
03.00 pm – 03.50 pm	Joel Nagloo	Towards Strong Minimality and the Fuchsian Triangle Groups.
03.50 pm – 04.20 pm	Coffee break	IHP ground floor
04.20 pm – 05.10 pm	Dugald Macpherson	Definably simple groups in valued fields.
05.10 pm – 06.00 pm	Poster Session	IHP ground floor

Friday March 30th

09.30 am – 10.20 am	Itay Kaplan	On PC-exact saturation.
10.20 am – 10.50 am	Coffee break	IHP ground floor
10.50 am – 11.40 am	Katrin Tent	Ampleness in strongly minimal structures.
11.50 am – 12.40 pm	Thomas Scanlon	What might model theory say about Hodge theory?

Abstracts are available on the website of the trimester «Model Theory, Combinatorics and Valued fields» – <http://modvac18.math.ens.fr/W3.html>



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