



I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Matematica «Federigo Enriques»**

Scientist- in - charge: Prof. **Paolo Stellari**

Massimo Pippi

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Pippi
Name	Massimo
Date of birth	24/06/1992

PRESENT OCCUPATION

Appointment	Structure
Doctorant contractuel	CNRS, Insitut de Mathématiques de Toulouse - Université Toulouse III - Paul Sabatier

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Matematica (classe LM-40 - Matematica)	Università degli Studi di Milano	2017
Master	Master of Science - Mathematics	Universität Regensburg	2017

FOREIGN LANGUAGES

Languages	level of knowledge
Italian	Mother tongue
English	Intermediate User (B2) - IELTS Academic Test (July 2014), Final Grade : 6.5
French	Intermediate User (B1/B2)
German	Beginner (A1)

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
------	----------------------



2017	PhD scholarship - NEDAG project (ERC-2016-ADG-741501), Université Toulouse III - Paul Sabatier Supervisors : Prof. Bertrand Toën, Prof. Gabriele Vezzosi.
------	--

TRAINING OR RESEARCH ACTIVITY

My research focuses on both derived and non-commutative algebraic geometry (in the sense of Kontsevich). In particular, I am interested in dg-categories of relative singularities, their motivic and l-adic realizations and the relation between them and vanishing cycles.

My thesis aims to study the dg-categories of relative singularities of pairs $(X; f)$, where X is a scheme over a base $S = \text{Spec}(A)$ and f is a morphism towards the n -dimensional affine space. It is divided in two parts. The first one focuses on the structure of these dg-categories and on some equivalences with other (very explicit) dg-categories.

Following Blanc-Robalo-Toën-Vezzosi, it is possible to define l-adic cohomology of dg-categories. In the second part of the thesis we try to understand the l-adic cohomology of the dg-categories of relative singularities, especially when $n > 1$.

More information may be found in my research statement.

CONGRESSES AND SEMINARS

Data	Titolo	Sede
09.01.2020	Talk (Seminaire de geometrie algebrique): Réalisation motivique de la catégorie de singularités d'un modèle LG généralise.	Département de Mathématiques à Angers, France
13.05.2019	Talk (Séminaire Alpe): On the Orlov equivalence	Institut de Mathématiques de Toulouse, Toulouse, France
31.01.2019 – 8.02.2019	Conference : Introductory Workshop : Derived Algebraic Geometry and Birational Geometry and Moduli Spaces	MSRI, Berkeley, California
28.01.2019 – 30.01.2019	Conference : Connections for Women : Derived Algebraic Geometry, Birational Geometry and Moduli Spaces	MSRI, Berkeley, California
22.01.2019 – 25.02.2019	Program Associate	MSRI, Berkeley, California
9.11.2018	Talk (Groupe de Travail : Universalite de la theorie A^1 - homotopique stable d'apres Marco Robalo) : oo-catégorie homotopique stable II	Université de la Bourgogne, Dijon, France
7.11.2018 – 9.11.2018	Groupe de Travail : Universalite de la theorie A^1 - homotopique stable d'apres Marco Robalo	Université de la Bourgogne, Dijon, France
26.09.2018 – 5.10.2018	Conference : CATS5	Lisbon, Portugal



4.06.2018 – 7.06.2018	Conference : A Tale of Algebra and Geometry	Università di Pisa, Pisa, Italy
14.05.2018 – 18.05.2018	Spring school : Motivic homotopy theory and refined enumerative geometry	Universität Duisburg-Essen, Essen, Germany
5.2.2018 – 9.2.2018	Winter school : A^1 Homotopy Theory	FRIAS, Freiburg, Germany
15.01.2018 – 19.01.2018	Winter school : Winter school on local geometric Langlands theory	Université Paris 7, Paris, France
15.10.2017 – 29.10.2017	Invited PhD student at DIMAI	Università di Firenze, Firenze, Italy
27.08.2017 – 6.09.2017	Summer School on Modular Forms	Padova, Italy

PUBLICATIONS

Preprints
M. Pippi - Proper base change over henselian pairs, arXiv :1710.01908, 2017
M. Pippi - On the structure of dg-categories of relative singularities, arXiv :1911.01332, 2019, submitted

TEACHING

Year	Activity
2019	Tutoring Activity, Université Toulouse III - Paul Sabatier, Exercise classes 'L1 SF s1 TDE2' and 'L1 SF s1 TDG2'.
2018	Tutoring Activity, Université Toulouse III - Paul Sabatier, Exercise classes 'L1 SF s1 TDG4' and 'L1 SF s1 TDG5'.
2015	Tutoring Activity, University of Milan, I carried out an extra curricula tutoring activity in Mathematics teaching for the Bachelor Degree in Agricultural Sciences and Technology

OTHER INFORMATION

Phd: The expected date of my Phd in Mathematics at the Université Toulouse III - Paul Sabatier is : June 2020

Referees



Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date Toulouse, 31/01/2020

SIGNATURE
