



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE __6125__

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**_____

Scientist- in - charge: __Neeman Amnon_____

[Angel Israel Toledo Castro]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Toledo Castro
Name	Angel Israel

PRESENT OCCUPATION

Appointment	Structure
ATER (Until 09-2023)	Université Côte d'Azur

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Mathematics	National Autonomous University of MExico	2014
Specialization			
PhD	Mathematics	Université Côte d'Azur	2023
Master	Mathematics	Università degli studi di Padova, Université de Bordeaux	2016
Degree of medical specialization			
Degree of European specialization			



Other			
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REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
Spanish	Native
English	C1
French	B2
Italian	B1

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2018	PhD Scholarship, Conacyt-French government (36 months)
2022	Guest researcher - Hausdorff Center for Mathematics (30-10-22 to 26-11-22)

TRAINING OR RESEARCH ACTIVITY

From the start of my PhD studies I have been conducting research on derived categories in algebraic geometry, focusing on the interaction between Fourier-Mukai partners and Tensor triangulated geometry in the sense of Balmer. I am interested in the formal theory of triangulated categories and the homotopy theory of dg-categories.

I am broadly interested in what is known as derived non commutative algebraic geometry and my main research motivations come from understanding geometric data from derived categories and associated invariants such as SOD's, Bridgeland stability conditions, and t-structures and their possible interactions with each other.

PROJECT ACTIVITY

Year	Project



PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
2021	Monoidal structures in categories of modules	University of Sonora, Mexico
2022	Balmer implies Bondal-Orlov	Hausdorff Research Institute for Mathematics, Bonn
2022	Derived, monoidal and birational	Université Côte d'Azur, Nice
2023	Deformation theory of tensor triangulated categories	ICTS, Bangalore (Online)

PUBLICATIONS

Articles in reviews
Toledo Castro, Angel Israe. "Tensor triangulated category structures in the derived category of a variety with big (anti-) canonical bundle." <i>arXiv preprint arXiv:2303.15382 (2023)</i> . Submitted
Toledo Castro, Angel Israel. "Davydov-Yetter cohomology for Tensor Triangulated Categories." <i>arXiv preprint arXiv:2310.03839 (2023)</i> .

OTHER INFORMATION

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.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Mexico City, Mexico, 02-01-2024