



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE \_\_6821\_\_

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**

Scientist- in - charge: Prof Alice Garbagnati

**Constantin Podelski**

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Podelski
Name	Constantin

### PRESENT OCCUPATION

Appointment	Structure
PhD	Humboldt University Berlin

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
PhD	Algebraic Geometry	Humboldt University Berlin	2024
Master	Fundamental Mathematics	École Normale Supérieure Paris	2018
Bachelor	Mathematics	École Normale Supérieure Paris	2016

### REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City



## FOREIGN LANGUAGES

Languages	level of knowledge
French	Mothertongue
German	Fathertongue
English	Fluent

## TRAINING OR RESEARCH ACTIVITY

My research is at the crossroads of classical algebraic geometry and the topology of singularities. One of my main interests is the Schottky problem, which is to find characterizations of the Jacobian locus in the moduli space of principally polarized abelian varieties. In my PhD, I have worked on a new approach to the Schottky Problem relying on a Tannakian formalism constructed using perverse sheaves on abelian varieties. I show that this gives a strong solution to the Schottky Problem in dimension up to 5, or more generally on the bielliptic Prym locus in any dimension. More generally, I am interested in abelian varieties, Prym varieties, generalized Jacobians, Chern-Mather classes and perverse sheaves.

## CONGRESSES AND SEMINARS

Date	Title	Place
18-22.10.2021	Recontre Hodgefun: Groupes Fondamentaux, Theorie de Hodge et Motifs	Florence
20-27.01.2023	Winter school: Singularities and low dimensional topology	Budapest
6-10.03.2023	The singular workshop: Singularities and low dimensional topology	Budapest
18-22.09.2023	Characteristic classes and singular spaces	Kiel

## PUBLICATIONS

Articles in reviews
[title of the article, review, place, publishing house, year ...]
The Gauss Map on Theta Divisors with Transversal A1 Singularities, Journal of Singularities, 2024
The Gauss map for bielliptic Prym varieties, Arxiv, 2023
The boundary of the bielliptic Prym locus, Arxiv, 2023

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: Berlin, 06.09.2024