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# ALGANT Graduation Ceremony

Leiden, 12 July 2024



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# Prof. dr. Peter Stevenhagen

- ❖ ALGANT Program Director  
Universiteit Leiden



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# Prof. dr. Giianne Derks

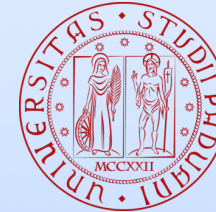
- ❖ Scientific Director  
Mathematisch Instituut  
Universiteit Leiden

# The ALGANT consortium in 2024



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université  
de **BORDEAUX**



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

université  
PARIS-SACLAY



UNIVERSITÀ  
DEGLI STUDI  
DI MILANO

UNIVERSITÄ  
**Concordia**  
UNIVERSITY



Universität Regensburg

UNIVERSITÄT  
DUISBURG  
ESSEN

*Offen im Denken*





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# ALGANT in numbers

- ❖ Over 2700 applications from over 55 countries
- ❖ 66 enrolled students from 17 countries in 23/24
- ❖ 88 enrolled students from 22 countries in 24/25
- ❖ Over 400 graduates working all over the world

# The people of ALGANT



The academic staff with the graduates at the graduation in Padova in 2023



Part of the admin staff at the graduation in Leiden in 2017



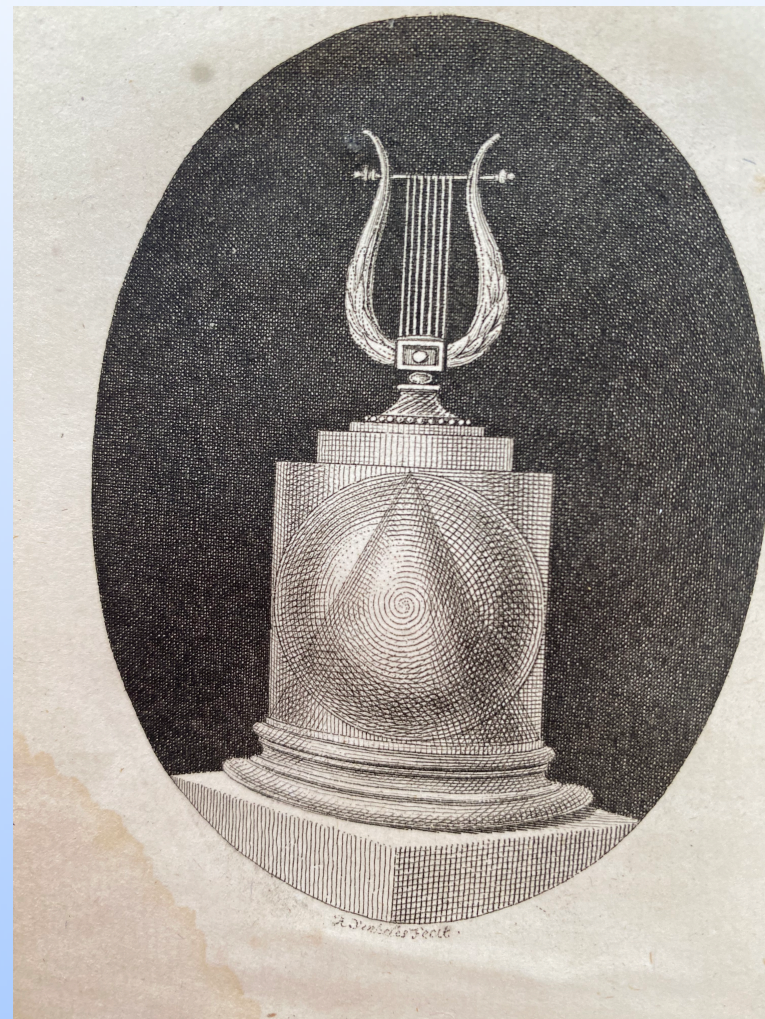
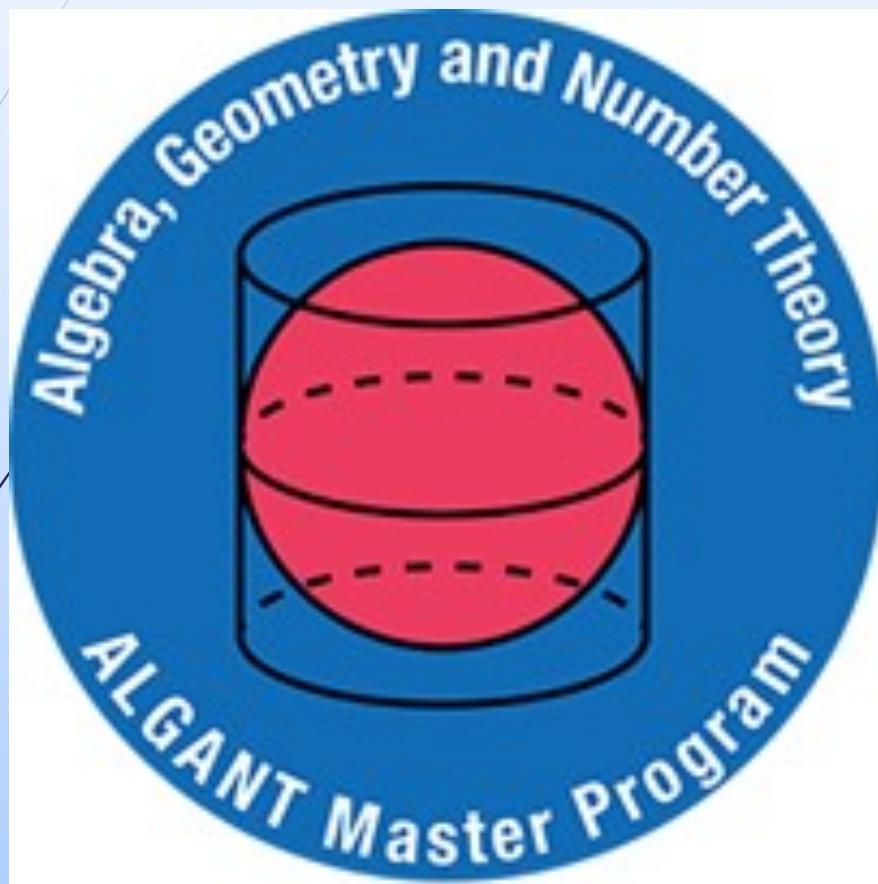
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# Prof. dr. Hendrik Lenstra

❖ Universiteit Leiden





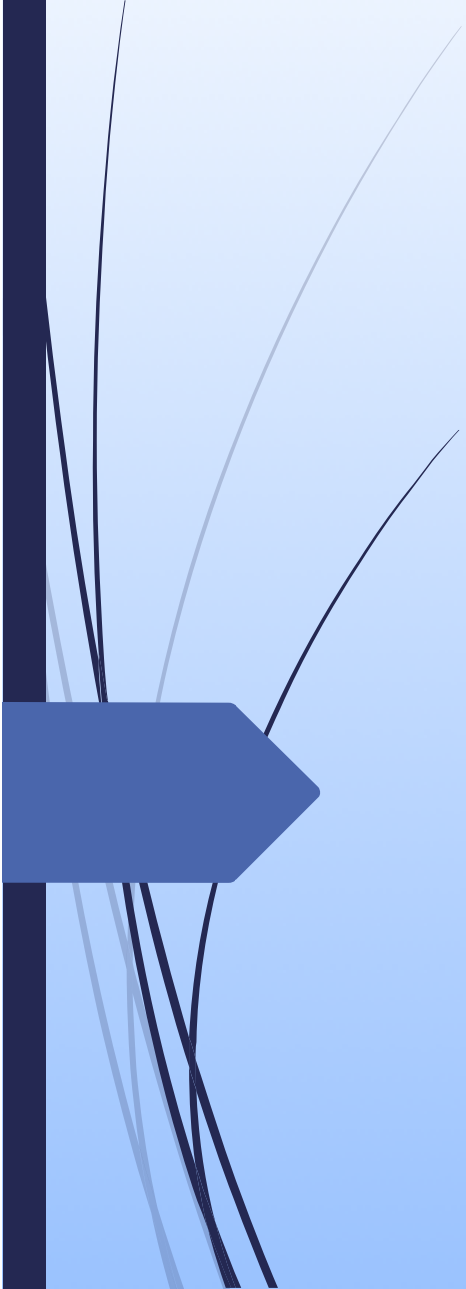


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# ALGANT

## Degree Award



# Luca dal Forno

- Italy
- Mobility Scheme:  
2022 - 2023: Padova  
2023 - 2024: Leiden
- Thesis:  
G-symmetric monoidal infinity-  
categories and Day convolution  
(Christian Carrick)
- PhD in Göttingen



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# Martina Bosin

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Padova
  - 2023 - 2024: Bordeaux
- ▶ Thesis:  
Spaces of smooth hypersurfaces in Arithmetic and Motivic Statistics  
(Margaret Bilu)



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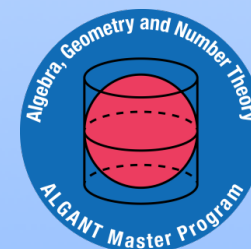


# Xiaomin Chu

- ▶ China
- ▶ Mobility Scheme:
  - 2022 - 2023: Montreal
  - 2023 - 2024: Essen
- ▶ Thesis:  
Prismatic Dieudonné theory for truncated Barsotti-Tate groups  
(Sebastian Bartling)
- ▶ PhD



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# Anna Cascioli

- ▶ Italy
- ▶ Mobility Scheme:  
2022 - 2023: Padova  
2023 - 2024: Regensburg
- ▶ Thesis:  
Profinite rigidity and  
amenability  
(Clara Löh)
- ▶ PhD in Münster



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# Kees Heesterbeek

- ▶ The Netherlands
- ▶ Mobility Scheme:  
2022 - 2023: Milano  
2023 - 2024: Bordeaux
- ▶ Thesis:  
Minimal Weierstrass models and  
their relation to minimal regular  
models of smooth hyperelliptic  
curves and Jacobian varieties of  
general smooth curves  
(Qing Liu)
- ▶ PhD in Tübingen



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# Kees Heesterbeek (Milano-Bordeaux)

❖ ALGANT Student AM18

# Antonio Fozzati

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Padova
  - 2023 - 2024: Essen
- ▶ Thesis:
  - On Stark's conjecture and Elliptic Units for Complex Cubic Fields
  - (Johannes Sprang)
- ▶ PhD in Dublin



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# Chiara Mandatelli

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Padova
  - 2023 - 2024: Bordeaux
- ▶ Thesis:

Classification of rank 1  
Drinfeld modules  
(Xavier Caruso)



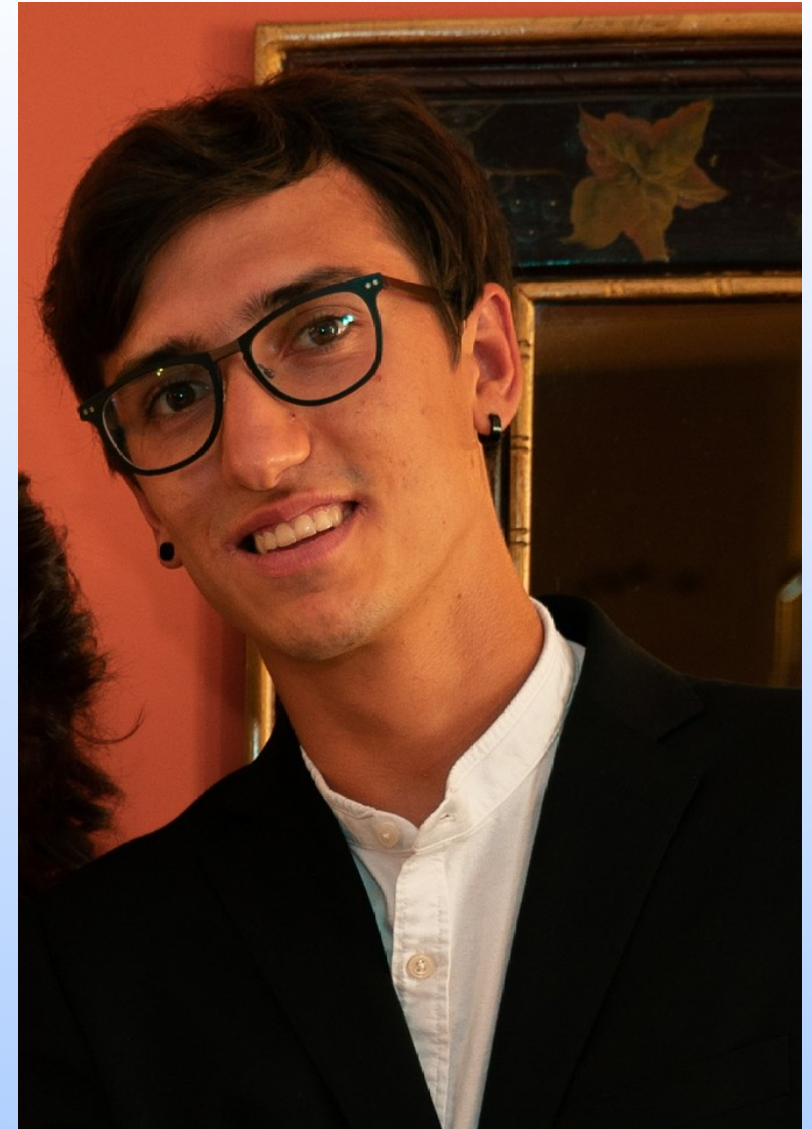
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# Lorenzo Ingaramo

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Milano
  - 2023 - 2024: Leiden
- ▶ Thesis:

A categorical approach to  
Equivariant Homotopy  
Theory  
(Inbar Klang)



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# Olha Kharchenko

- ▶ Ukraine
- ▶ Mobility Scheme:  
2021 - 2022: Milano  
2022 - 2024: Essen
- ▶ Thesis:  
The Littlewood conjecture  
for function fields  
(Johannes Sprang)



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# Luca Marchesini

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Padova
  - 2023 - 2024: Paris
- ▶ Thesis:
  - On  $p$ -adic Arithmetic Quantum Unique Ergodicity on  $GL_2(\mathbb{Q}_p)$  (Farrell Brumley)
- ▶ PhD in Paris (Jussieu)



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# Prof. dr. Jan Vonk

❖ Universiteit Leiden

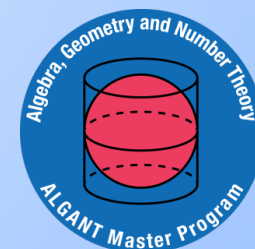


# Siddharth Acharya

- ▶ India
- ▶ Mobility Scheme:  
2022 - 2023: Essen  
2023 - 2024: Padova
- ▶ Thesis:  
On Esteves' Compactification of  
the Relative Jacobian  
(Orsola Tommasi)
- ▶ PhD



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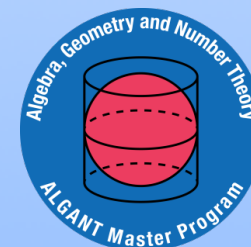


# Paola Mupo

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Padova
  - 2023 - 2024: Montreal
- ▶ Thesis:  
Modular Forms modulo  $p$   
(Adrian Iovita)
- ▶ PhD Concordia



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# Edoardo Mason

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Padova
  - 2023 - 2024: Essen
- ▶ Thesis:

Variations of Hodge structures and density of the Hodge locus (Carolina Tamborini)
- ▶ PhD Stockholm



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# Miriam Ni Chobhthaigh

- ▶ Ireland
- ▶ Mobility Scheme:
  - 2020 - 2022: Leiden
  - 2022 - 2024: Regensburg
- ▶ Thesis:
  - Selmer groups and their structure over dihedral extensions  
(Massimo Bertolini)
- ▶ PhD in Ulm



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# Miriam Ni Chobhthaigh

❖ ALGANT Student AM16

# Giacomo Scodro

- ▶ Italy
- ▶ Mobility Scheme:  
2022 - 2023: Padova  
2023 - 2024: Bordeaux
- ▶ Thesis:  
Belyi's Theorem and  
Dessins d'Enfants  
(Dajano Tossici)



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# Veronica Licchelli

- ▶ Italy
- ▶ Mobility Scheme:  
2022 - 2023: Milano  
2023 - 2024: Leiden
- ▶ Thesis:  
Brauer-Manin obstruction to  
strong approximation on  
homogeneous spaces  
(Ronald van Luijk, Haowen  
Zhang)
- ▶ PhD Essen



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# Lorenzo Paveri

- ▶ Italy
- ▶ Mobility Scheme:
  - 2022 - 2023: Milano
  - 2023 - 2024: Leiden
- ▶ Thesis:

Virtual classes of  
representation varieties  
with group automorphisms  
(Marton Hablicsek)



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# Dr. Kevin Destagnol

❖ Université Paris Saclay



# Beatrice Ostorero Vinci

- Italy
- Mobility Scheme:  
2022 - 2023: Leiden  
2023 - 2024: Bordeaux
- Thesis:  
 $p$ -Divisible Groups  
(Olivier Brinon)
- PhD



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# Vikram Nadig

- ▶ India
- ▶ Mobility Scheme:  
2022 - 2023: Regensburg  
2023 - 2024: Milano
- ▶ Thesis:  
A Comparison of Takai and  
Treuermann Dualities  
(Ulrich Bunke)
- ▶ PhD in Bielefeld



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# Eva Ragazzini

- ▶ Luxembourg
- ▶ Mobility Scheme:  
2022 - 2023: Padova  
2023 - 2024: Essen
- ▶ Thesis:  
On an attack on SIKE  
using abelian surfaces  
(Ulrich Görtz)



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# Francesco Tognetti

- Italy
- Mobility Scheme:  
2022 - 2023: Montreal  
2023 - 2024: Padova
- Thesis:  
Streamlining scheme  
theory with topoi  
(Samuele Maschio)
- PhD



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# Prof. dr. Johannes Sprang

❖ Universität Duisburg-Essen



# Shiyuan Wan

- ▶ China
- ▶ Mobility Scheme:  
2022 - 2023: Padova  
2023 - 2024: Bordeaux
- ▶ Thesis:  
Higher local class field  
theory  
(Denis Benois)
- ▶ PhD



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# Emma Ingrassia

- ▶ Italy
- ▶ Mobility Scheme:  
2022 - 2023: Padova  
2023 - 2024: Regensburg
- ▶ Thesis:  
Higher algebraic K-theory  
after Quillen  
(Daniel Schäppi)



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# Hugo Zock

- The Netherlands
- Mobility Scheme:  
2022 - 2023: Leiden  
2023 - 2024: Regensburg
- Thesis:  
A local version of  
Kashiwara's conjecture  
(Moritz Kerz)
- PhD in Düsseldorf



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**Congratulations!**



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# Dr. Francesco Campagna

- ❖ former ALGANT Student
- ❖ ALGANT Alumni Network



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# ALGANT

## Third decennium

université  
de **BORDEAUX**



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UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA





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# Dr. Remke Kloosterman

❖ Università degli studi di Padova



**End of the ceremony....**

**Join us for the reception!**