



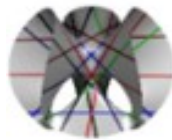
Essener Seminar für Algebraische  
Geometrie und Arithmetik

UNIVERSITÄT  
DUISBURG  
ESSEN

*Offen im Denken*

## Winter School on Higgs Bundles and Fundamental Groups of Algebraic Varieties

Essen, September 27 - 30, 2016



**SFB/TR 45**

Periods, Moduli Spaces  
and Arithmetic of Algebraic Varieties

### *Useful information*

Welcome to Essen – we hope that you will have a great stay! In order to help you find your way we collected some information that you might find useful.

#### **Conference venue / Math department**

All talks and the coffee take place in the Math department., seminar room WSC-N-U-3.05, 3<sup>rd</sup> floor (see map on page 5).

The math department is opposite a big IKEA-market and has a shop called „Conrad Electronic“ on the ground floor. The address is

Universität Duisburg-Essen  
Fakultät für Mathematik  
Thea-Leymann-Strasse 9  
45127 Essen

There will be a room for discussion (WSC-S-U-3.01). The speakers will have office space on the same floor.

## Contact person

If you have a question or if you need any help please come and see one of the organizers:

Daniel Greb  
Jochen Heinloth

Also our secretary Martina Striebeck will be around.

## Hotels

ASTORIA CITY RESORT  
Wilhelm-Nieswandt-Allee 175  
D-45326 Essen  
Tel. +49 (0)201 - 8358-4  
Fax +49 (0)201 - 8358 - 040  
www.astoria-city-resort.de  
e-mail: [info@astoria-city-resort](mailto:info@astoria-city-resort)  
(For information on how to get there see map on page 6.)

Hotel Wilhelmshöhe  
Im Wulve 2  
D-45359 Essen  
Tel.: +49 (0)201-869120  
Fax: +49 (0)201 8691260  
e-mail: [Wilhelmshoehehotel@t-online.de](mailto:Wilhelmshoehehotel@t-online.de)  
(For information on how to get there see map on page 7.)

## Internet & WIFI

Please use *eduroam* which is available on campus and inside all university buildings. If your home institution does not support eduroam please come and see Jochen Heinloth. We have a limited number of accounts that allow you to access eduroam as a guest.

## Lunch & dinner

The student cafeteria is called „Mensa“ and is situated on campus (see map on page 5). They serve lunch from 11:45 till 14:30 and also offer vegetarian dishes. They do not serve dinner, however, At the cashier please tell the staff that you are a guest. You can pay by cash. If you are enrolled as a student in the state of Nordrhein-Westfalen you might try to use your student-ID to get a reduced price.  
There will be reserved tables for our workshop at lunch time.

There is a big shopping mall on „Limbecker Platz“ (see the map on page 5). There are several small restaurants inside, a supermarket, several bakery shops and other alternatives for a quick lunch.

As for dinner, the city center is within walking distance (see the map on page 5.) There are numerous restaurants that you can try.

## **Workshop dinner**

The workshop dinner will be at ÇAGDAŞ Flachsmarkt 3 in walking distance from the Institute (see map on page 5). (There will be vegetarian options.)

## **Public transportation**

In case you like to get around or see other parts of the city you can use the public transportation system. There are buses, trams and subways. Tickets can be purchased at the vending machines (subway, tram) or directly from the driver (bus). Note that you need to stamp and validate your ticket on the trains and buses. Please ask other passengers if you are uncertain what to do. For more information concerning time tables and fares please have a look at [www.evag.de](http://www.evag.de).

## **Printers**

If you need to print anything important (like tickets of boarding passes, for example) please come and see one of the organizers. There are no publicly accessible printers.

## **Registration fee**

Except for the speakers each participant is asked to pay a registration fee of 30 euros, 15 euros for M.Sc. and PhD students). The fee will be collected upon registration on Tuesday morning. You will get a receipt with your name on it.

## **Reimbursement**

If you receive funding from the University of Duisburg-Essen your hotel will be paid directly. Concerning your travel expenses you will obtain a reimbursement form upon registration. After the end of the conference please fill in the data and send the form and your receipts (i.e. original tickets, boarding passes etc.) to

Universität Duisburg-Essen  
Fakultät für Mathematik  
Martina Striebeck  
Thea-Leymann-Strasse 9  
D-45127 Essen  
Germany

## Schedule

time	Tuesday	Wednesday	Thursday	Friday
08:30 – 09:00	<b>Registration</b>			
09:00 – 10:30	Klingler	Klingler	Klingler	Klingler
	Coffee	Coffee	Coffee	Coffee
11:00 – 12:30	Langer	Langer	Langer	Langer
	Lunch	Lunch	Lunch	Lunch
14:00 – 15:30	Q & A / Exercises	Q & A / Exercises	Q & A / Exercises	
	Coffee	Coffee	Coffee	
16:00 – 17:00	Garcia-Prada	Brunebarbe	Keller	
19:00			<b>Dinner</b>	

### *Mini courses*

Bruno Klingler: Fundamental groups of smooth projective complex varieties

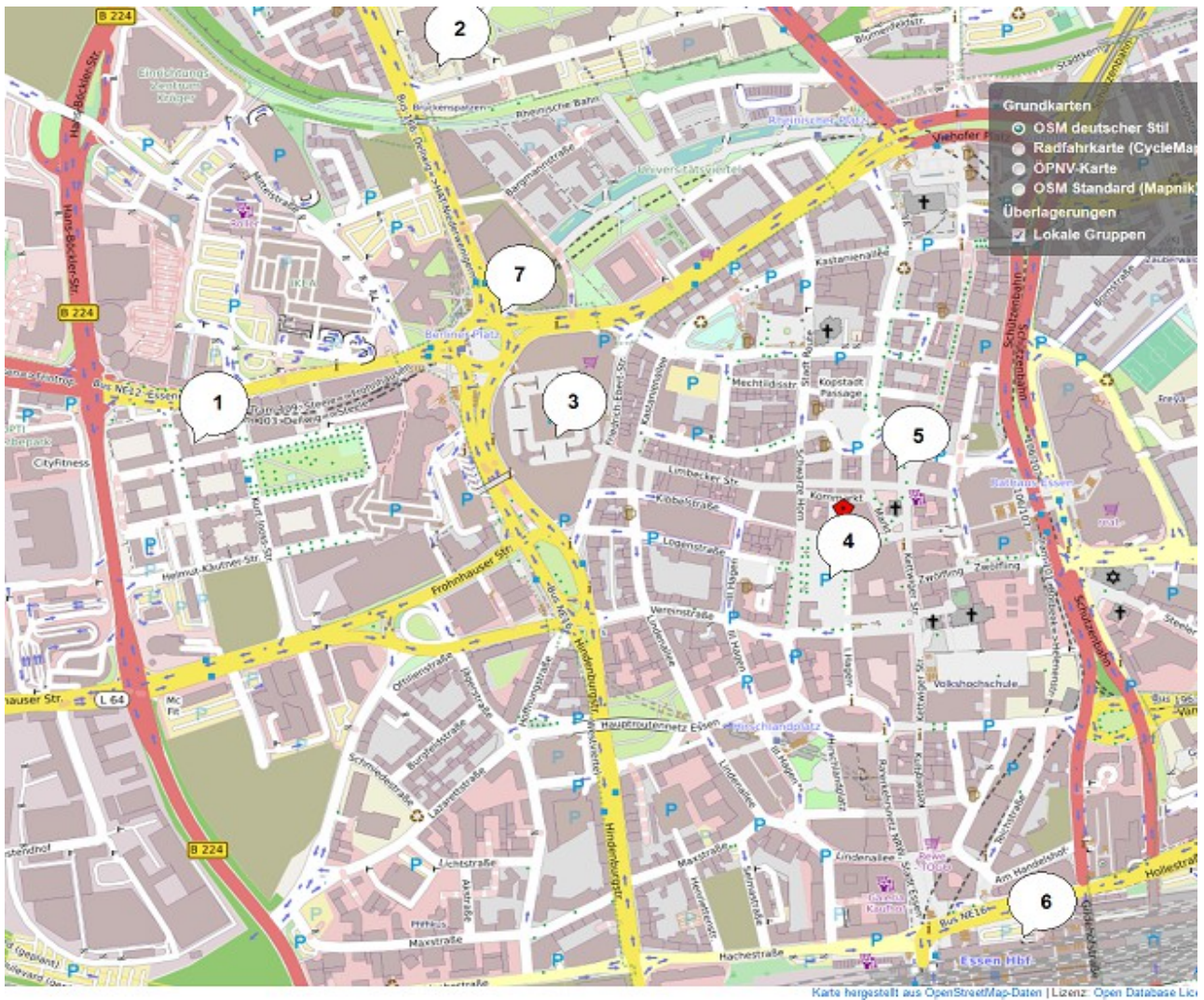
Adrian Langer: Vector bundles and Higgs bundles in positive characteristic

### *Research talks*

Yohan Brunebarbe: Level structures on abelian varieties over complex functions fields

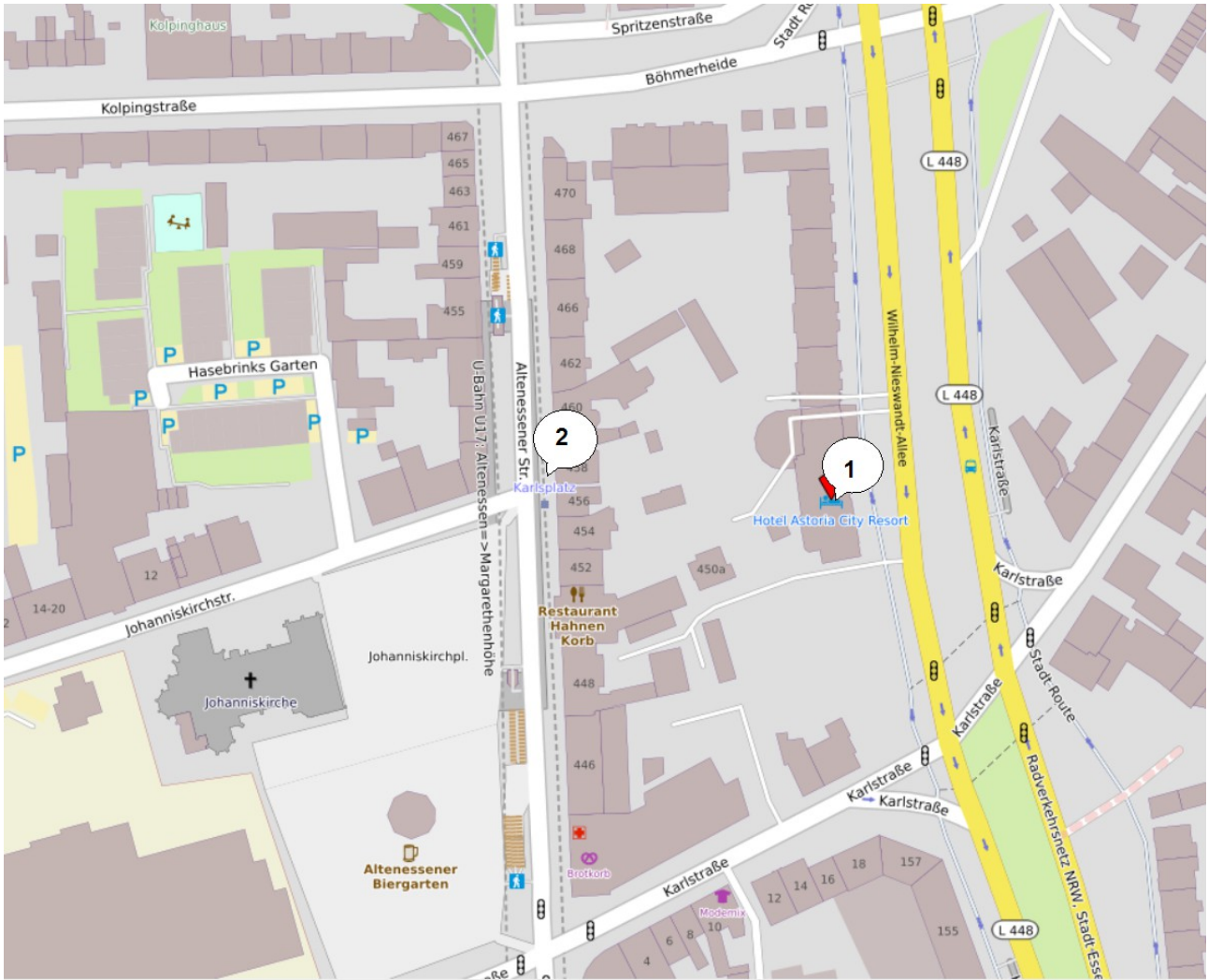
Oscar Garcia-Prada: Action of the mapping class group on character varieties and Higgs bundles

Julien Keller: Higgs bundles and quantization of Hitchin equation



- 1 Math department
- 2 Student cafeteria „Mensa“
- 3 Shopping mall „Limbecker Platz“
- 4 City center
- 5 Restaurant ÇAGDAŞ
- 6 Central station
- 7 Subway/tram station „Berliner Platz“

## Hotel Astoria City Resort



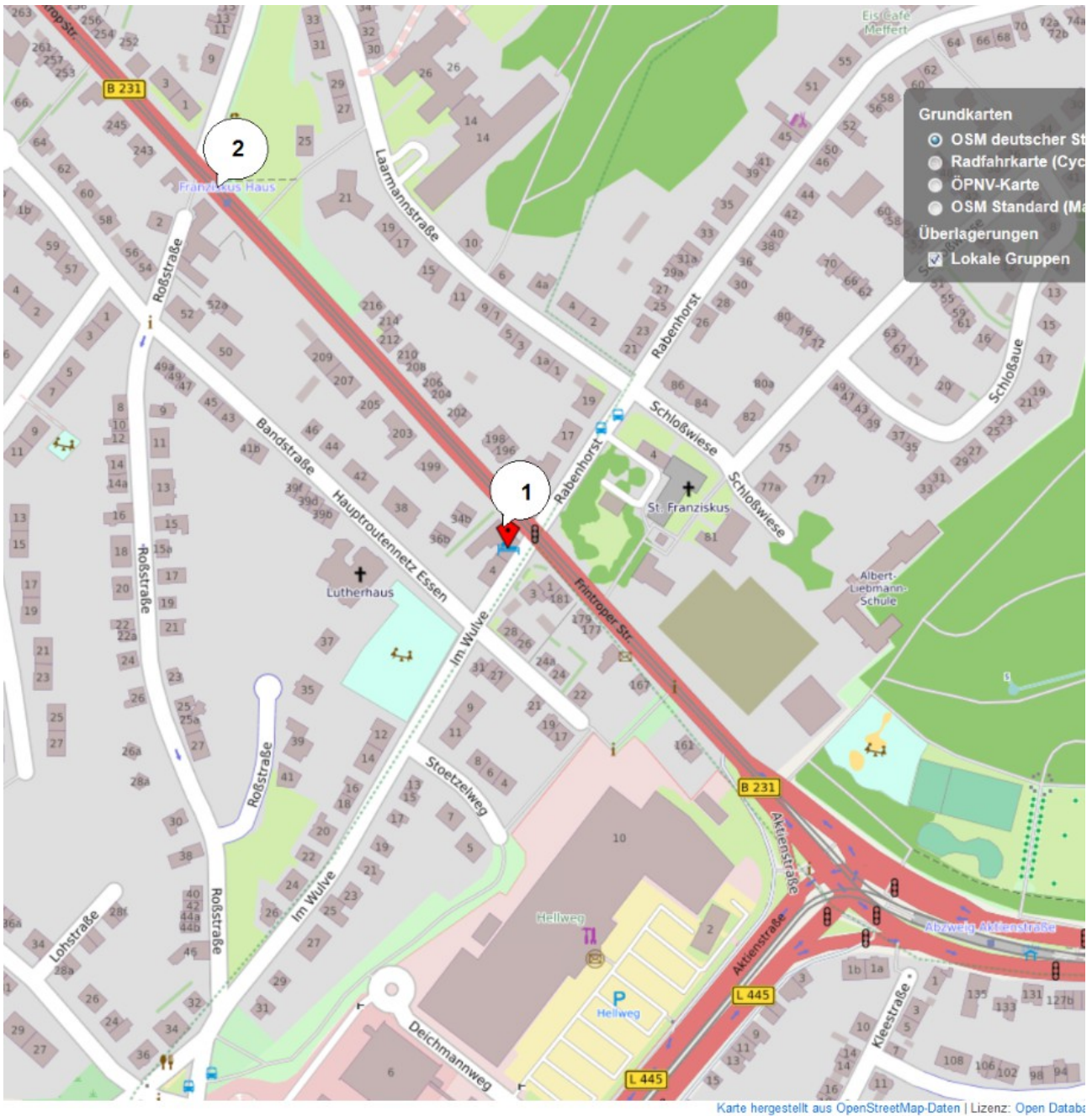
- 1 Hotel Astoria City Resort
- 2 Subway station „Karlsplatz“

Please take subway line U11 (direction Gelsenkirchen Buerer Str.) or U17 (direction Essen Karlsplatz) from Essen Hauptbahnhof to the station „Karlsplatz“. In the street „Altenessener Strasse“ there is a side entrance to the hotel.

From the hotel to the main station or to the math department please take subway line U11 (direction Essen Messe W.-Süd/Gruga) or U17 (direction Essen Margarethenhöhe) from „Karlsplatz“ - to the math department please leave the subway at the station „Berliner Platz“.

Please choose „Preisstufe A3“ (price category) for your ticket.

## Hotel Wilhelmshöhe



- 1 Hotel Wilhelmshöhe
- 2 Tram station „Franziskus Haus“

From Essen Hauptbahnhof („main station“) please take tram line 105 (direction Essen Unterstr.) to the stop „Franziskus Haus“.

From the hotel to the main station or to the math department please take tram line 105 (direction Finefraustr.) from „Franziskus Haus“ - to the math department please leave the tram at the stop „Berliner Platz“.

Please choose „Preisstufe A3“ (price category) for your ticket.