

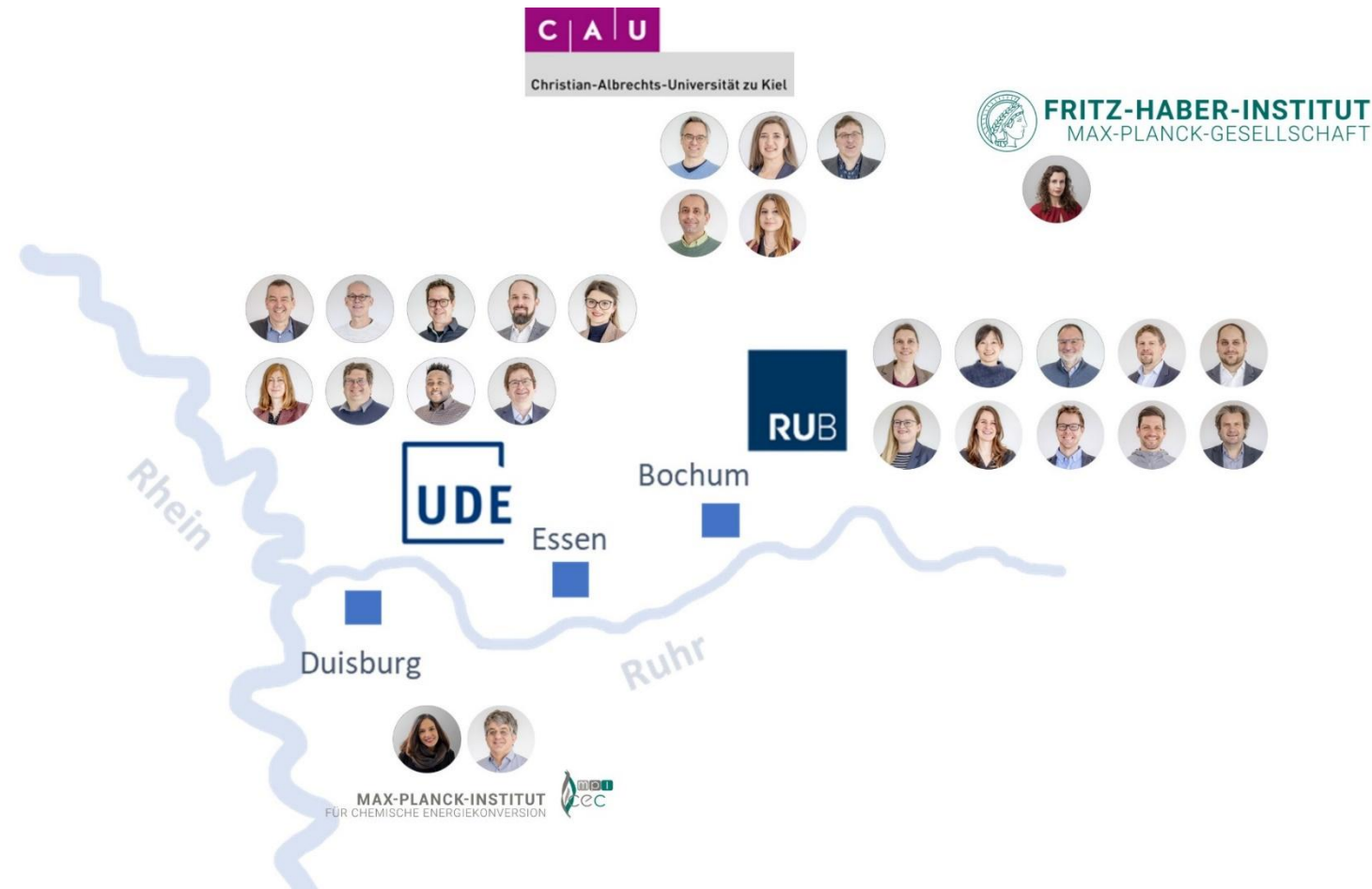
THE CRC/TRR 247: HETEROGENEOUS OXIDATION CATALYSIS IN THE LIQUID PHASE

MATERIALS AND MECHANISMS IN THERMAL AND ELECTROCATALYSIS

Administrative PI Meeting

20.07.2026

Welcome to the 3rd Funding Period!



New Principle Investigators



Christian Liebscher,
RUB



Andrea Kirsch,
RUB



Judith Golda,
RUB



Alexander Schnegg,
MPI CEC



Huayna Terraschke,
CAU



Philipp Schienbein,
RUB



Stéphane Kenmoe,
UDE

The Structure of the CRC/TRR 247 (3rd FP)

22 projects and 27 PIs

Dynamics of the interface

A04

A07

A08

Thermal & electrocatalysis

A01

A02

A09

A11

Theoretical studies

B04

A06

A08

A10

Operando & in situ characterization

B02

B03

B06

B09

B10

B11 (N)

C01

C07 (N)

T01

Exploration and upscaling of thin film oxidation catalysts

Area A
Catalysis

Area B
Analysis

Area C
Synthesis

Central activities

Z

Coordination

INF

Research data management

S

Characterization service

MGK

Educating scientists

Synthesis and processing

C01

C02

C03

C05

C07 (N)

The Structure of the CRC/TRR 247 (2nd FP)



Kristina Tschulik, RUB	Stephan Schulz, UDE	Martin Muhler, RUB	Christof Schulz, UDE	Malte Behrens, CAU
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Coordination



Johanna Angona,
RUB



Kal Choi,
RUB



Susanne Moser,
UDE

PhD Representatives



Catalina Leiva-Leroy, A01
(Muhler group), RUB



Anas Akhtar, B09
(Tschulik group), RUB

Complemented by Mercator fellows – leading scientists in catalysis



Prof. Plamen Atanasov
UC Irvine, USA



Prof. Graham Hutchings
Cardiff University, UK



Prof. Iryna Zenyuk
UC Irvine, USA

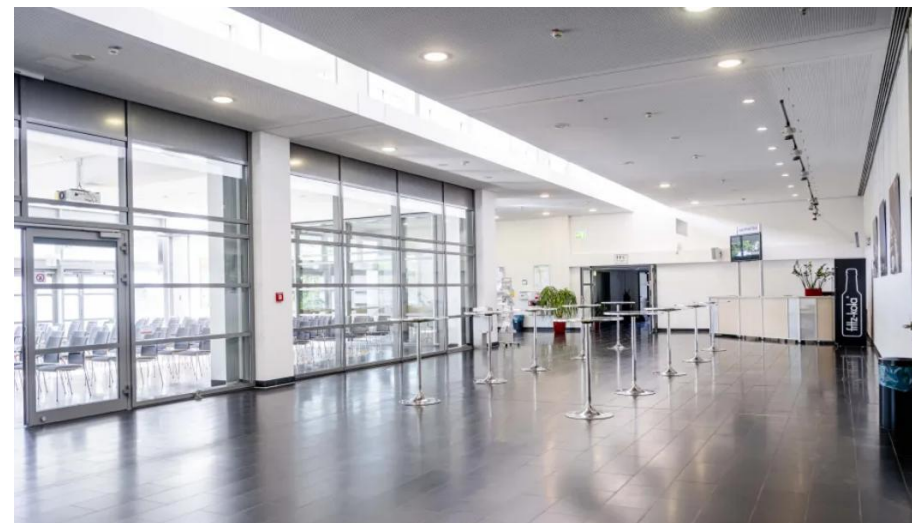


Events

Kickoff Meeting

28. – 30.10.2026

- We will approach you soon for oral contributions
- Hotel reservations will be made, but you need to do the booking
- Let us know if you need childcare



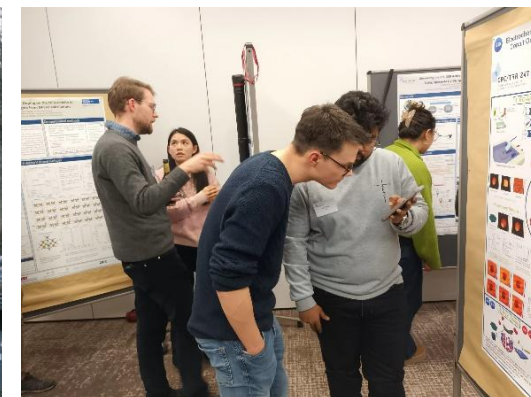
Annual Meetings

22. – 26.02.2027

21. – 25.02.2028

19. – 23.02.2029

18. – 22.02.2030





Events

Lunch Time Seminars

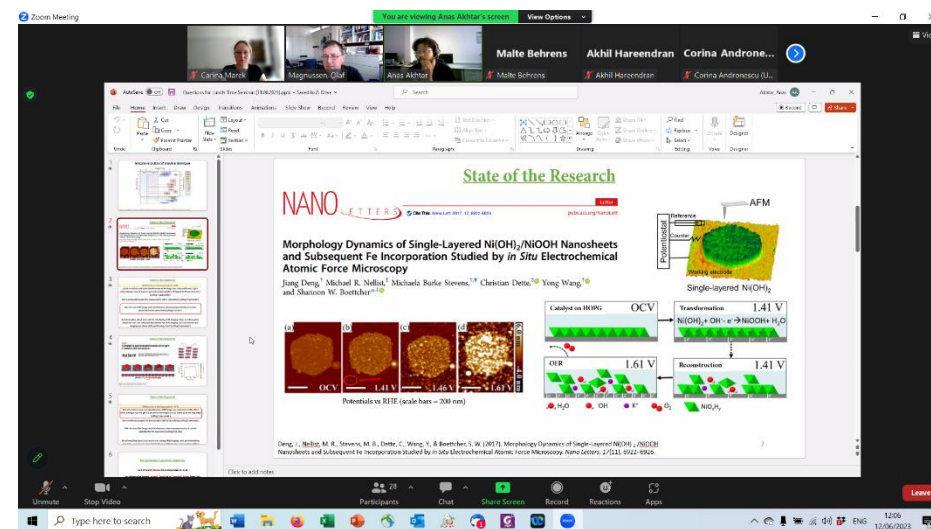
- Mondays 12:00-13:00 hrs, let us know about potential topics

Seminar Series

- 4-6/semester; hybrid
- Guest speaker suggestions welcome!
- **02. – 04.11.2026**, Paul Dauenhauer (Host: S. Barcikowski), “Resonant Catalysis”

Cluster Meetings

- Thermo-Electrooxidation 16.07.2026
- -> inform coordination team for organization





***SHK** = „studentische Hilfskraft“ -> without Bachelor's degree
 ****WHB/WHK** = „wissenschaftliche Hilfskraft“, with Bachelor's/Master's degree

1. Sub-Project Budget

Budgetierung 2026_2 mit Kürzungen (3. Förderperiode)										31.331,00	6.892,82
Proj.	Verantwortlich	UNI / Insti.	Personal-mittel	Sachmittel	Stipendien	Globale Mittel	Reisen	Summe	Kürzung*	Verfügbare Mittel	PP
AXY	Mustermann, Max	RUB	27.300,00	5.000,00				32.300,00	-969,00	31.331,00	6.892,82
	Responsible person		Staff	Supplies	Fellowships	Global funds	Travel	Sum	Cut	Available funds	Program fee

Staff and Supply Funds

- May be used interchangeably (e.g., use supplies funds for **SHKs***)
- **SHKs**: not allowed to receive any DFG salary while working on their final theses.

DFG Funds Cut

- The DFG has cut our total funds by 5 %
- When doing the budgeting, we applied a cut of **3 % on every sub-project (excluding early career PIs)**
- The remaining cuts are allocated to the central projects

Program Fee (Programmpauschale)

- Goes to the university/institute -> Support for the sub-projects depends on individual deal



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2. Centrally Managed Budgets



MGK Short term fellowships:

- Allows highly qualified PhD candidates to start CRC-related research before joining as official graduate students
- Only awarded if a fitting position in the CRC is available in foreseeable future
- 1765 € / month up to 12 months



Student assistants:

- 1 **WHB/WHK**** for each university PI (8182 EUR/Year), in total **1 year**
- Only 50 % of those costs are covered by the central project, the other 50 % need to be covered by the universities
- **SHKs*** can also be funded via central project (“pauschale Mittel”) but also need 50 % co-financing by unis
- **WHBs/WHKs****, PhD researchers, postdocs: max. 2 hrs teaching (95 % research related work mandatory)
- Please let us know about any personnel action (Hiring, refinancing, contract extension,...)



Travel:

- 1.600 EUR/Person/Year
- Every CRC member of RUB and UDE has to inform Kal or Susanne BEFORE the travel (fill in TRR 247 application form -> see next slide)
- -> central travel-budget management at RUB and UDE

Reimbursement

Application for reimbursement of travel expenses from CRC/TRR247 funds

Information about the traveller

Name of traveller:			
Subproject, Position, University:	A1	Principal Investigator	RU
Office phone No.:			
Email:			

Information about the trip

Travel period:	From:		To:	
Event (add invitation or program):				
Destination:				
Type of presentation*/**:	Poster Presentation			

Expected costs in €:

Flight:	€0.00
Train:	€0.00
Accommodation:	€0.00
Registration fee:	€0.00
Others:	€0.00
Total:	€0.00

Date:

Please send the form via Email to the [TRR Coordination Office](#) with - if applicable - your subproject manager in cc. You will then receive immediate feedback from the Coordination Office!

After completing your trip, please send a copy of your travel expense reports to the TRR247 Coordination Office

* If a poster is presented, reference must be made to the funding by the DFG and CRC/TRR and the respective subproject named. Please send the abstract and the poster in PDF format to info@trr247.de

** If an oral presentation is given, please send the abstract to info@trr247.de

RUB members:
Dienstreiseantrag

**Always ask for the
right FS!!!**

General coordination mail
address:
trr247@rub.de

Other Funding Opportunities



Publications

- Always use the project number **388390466** and your individual project (e.g., A01) in your TRR 247 publications as well as posters and oral contributions at conferences
- Financial support of cover- and publication charges (especially for collaborative publications)
- -> use also funding opportunities of your University
- No need to send publications to the board for confirmation
- **Inform coordination** if a TRR 247 paper is accepted/published



Investments

- Investments > 50 000 € must be made by the DFG (we apply for it -> DFG keeps the money and places the order)
- We have not applied for any investments > 50 000 € in FP3
- If we have any leftover budget (we will ask you about this in September), small investments may be possible but everything > 10 000 € must be discussed with the board
- Repair costs generally cannot be covered by DFG funds

Equal Opportunities / Work-Life Balance / Diversity

- 30.000 EUR / Year

For all researchers

- Family services (e.g., childcare: during events or kindergarden/school holidays)
- Establishment of home office workspace (under special circumstances)
- Student assistants (**SHK, without Bachelor's degree**) for researchers with family commitments (e.g., childcare, nursing of relatives) and for PIs with children under the age of 12
- Gender awareness training

For female researchers

- Mentoring programs, soft skill courses, management training, coaching, ...
- Mentoring between PhD candidates/students/pupils

Contact the coordination office if you have any needs or questions.



Towards automated research data management for AI-driven knowledge discovery

- Dr. Victor Dudarev and Dr. Lei Zhang: Handovers & trainings
- Onboarding workshops for new members
- All TRR members (early career researchers and PIs) need to sign „Agreement on database usage“ and send it to Johanna



RDMS: <https://crc247.mdi.ruhr-uni-bochum.de/>

Agreement on Database Usage

between

Principle Investigator: _____

and

Spokesperson: Prof. Dr. Kristina Tschulik

Database:

The principle investigator is obliged to make sure the early career researchers in their project use the RDMS of the CRC/TRR 247. The PhD students and postdocs must upload and maintain all data produced for the CRC/TRR 247 on the database. For registration, they may use the following link: <https://crc247.mdi.ruhr-uni-bochum.de/>. Please contact Dr. Victor Dudarev (victor.dudarev@ruhr-uni-bochum.de) for any questions related to the database.

Mediation:

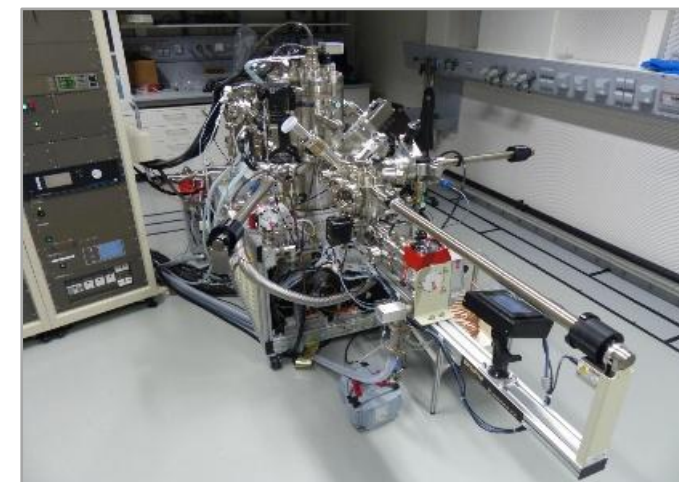
In case of conflicts, concerned persons can contact the ombudsperson of the respective department/institute, the CRC/TRR 247 coordination or the student representatives of the CRC/TRR 247.

Signature Principle Investigator

Materials characterization services

- Core facilities at RUB & UDE
- Freshly employed technician Maximilian Höler for electro- and thermal catalysis measurements
- Services accessible by all PIs of CRC/TRR 247
- Let the coordination office know, if you do analytic measurements at ZGH or ZEMOS -> TRR 247 will directly receive the invoice
- Analytic measurements at ICAN -> Stephan Schulz

Analytic Measurements at ICAN, ZEMOS and ZGH, which are booked via the TRR need to be directly related to the research of TRR 247!



Outreach and Network



Homepage

- <https://www.sfbtrr247.ruhr-uni-bochum.de/>



Sciebo folder

- Link: <https://ruhr-uni-bochum.sciebo.de/s/ELsx2roirUb2W3g> ; PW: CRCTRR247_2fp
- You will find the applications of our 1st, 2nd, and 3rd funding periods there



LinkedIn account (maintained by PhD representatives and coordination office)

- > Let us know about any news which might be interesting for the Catalysis Community
- > LinkedIn ID: CRC/TRR247



Catalysis network: 6 catalysis CRCs (TRR 247 one of the founder CRCs)

- > biannual international conference, next one: **May 2028** (3-days event)
- > Iron, upgraded! potential new member

Congratulations



3rd Funding Period approved!

CRC/TRR 247

HETEROGENEOUS OXIDATION
CATALYSIS IN THE LIQUID PHASE