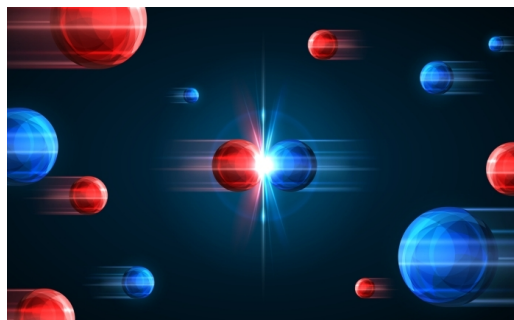




# Exciton Transport in 2D Materials



**30.May - 02.Jun 2023**

**Cod. Z02-23**

**Mod.:**

Face-to-face

**Edition**

2023

**Activity type**

Workshop

**Date**

30.May - 02.Jun 2023

**Location**

Miramar Palace

**Languages**

English

**Academic Validity**

40 hours

**Organising Committee**



## Description

The goal of the workshop is to explore novel directions in the field of exciton transport and associated exciton scattering phenomena in van der Waals 2D semiconductors.

We wish to bring together experts from experiment and theory, to encourage exchange of ideas and identify emerging questions for future research.

For participation and poster abstract submission, please fill in the form in the link below:

[APPLICATION FORM](#)

Please note that the number of participants is limited.

## Objectives

The main topics will be focused on both measurements of exciton propagation and relevant theoretical descriptions in monolayer semiconductors, heterostructures, and 2D perovskites. These will further cover closely related phenomena, such as exciton coupling to free electrons, phonons and other excitons, as well as the role of external fields in exciton transport. Of particular relevance will be the role of structural modifications such as atomic defects, superlattices, and local reconstruction in heterostructures.

[Other relevant information of the venue](#)

## Course specific contributors



# Program

The workshop will begin on Tuesday, May 30 in the afternoon, and end on Friday, June 2 at noon. A preliminary schedule is enclosed.

Speakers include:

Timothy Berkelbach, Columbia University

Rudolf Bratschitsch, Universtiy of Münster

Paulo Eduardo de Faria Junior, University of Regensburg

Milan Delor, Columbia University

Mikhail Glazov, Ioffe Institute

Alexander Högele, LMU

Felipe da Jornada, Stanford University

Christoph Kastl, TU Munich

Aaron Kelly, MPSD Hamburg

Ermin Malic, Philipps-Universität Marburg

Andrés Montoya-Castillo, University of Colorado Boulder

Fulvio Paleari, CNR-ISM, Italy

Paulina Plochocka, CNRS Toulouse / Wroclaw

Ferry Prins, Universidad Autonoma de Madrid

Diana Qiu, Yale University

Ronen Rapaport, Hebrew University

Alexander Steinhoff, University of Bremen

Ursula Wurstbauer, University of Münster

Danielle Sanvitto, CNR NANOTEC, Lecce, Italy

William Tisdale, MIT

Dmitry Efimkin, Monash University

Andras Kis, EPFL

Parag Deotare, University of Michigan

Leonid Butov, University of California San Diego

Richard Schmidt, Heidelberg University

Laurent Lombez, CNRS Toulouse

Akshay Rao, University of Cambridge

Pina Romaniello, CNRS Toulouse

## Directed by



**Alexey Chernikov**

Technische Universität Dresden

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**Sivan Refaely-Abramson**

Weizmann Institute of Science

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## Teachers



**Rudolf Bratschitsch**

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**Leonid Butov**

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**Milan Delor**

Columbia University

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**Parag Deotare**

University of Michigan

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**Florian Dirnberger**

TUD

---



**Dmitry Efimkin**

Monash University

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**Paulo E. Faria Junior**

Uni Regensburg

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**Mikhail Glazov**

Ioffe Institute

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**Daniel Hernangómez Pérez**

Weizmann Institute of Science

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**Alexander Högele**

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Stanford University

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Technial University of Munich

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MPSD Hamburg

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EPFL

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**Laurent Lombez**

LPCNO

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**Ermin Malic**

Philipps University Marburg

---



**Andres Montoya-Castillo**

University of Colorado Boulder

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**Fulvio Paleari**

CNR istituto nanoscienze

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**Paulina Plochocka**

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**Laura Polimero**

CNR NANOTEC, Lecce

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**Ferry Prins**

Universidad Autónoma de Madrid

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**Diana Qiu**

Yale University

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**Ronen Rapaport**

Hebrew University

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**Pina Romaniello**

CNRS Toulouse

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**William Tisdale**

MIT

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**Ursula Wurstbauer**

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**Sahar Sharifzadeh**

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**Alexander Steinhoff-List**

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# Registration fees

REGISTRATION	UNTIL 26-05-2023
General	0 EUR
Invited speaker	0 EUR

## **Place**

### **Miramar Palace**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa