

INVITATION & PROGRAM
MPSP SPRING SCHOOL



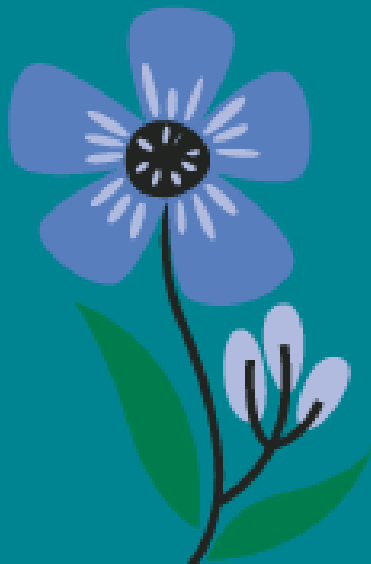
JOIN US IN
AACHEN

PROGRAM

04.-08.03.2024

**MAX
PLANCK
SCHOOL**

of
photonics



READ ME FIRST: DEADLINES

YOUR TO-DOS BEFORE THE SPRING SCHOOL

10th of
January

- Use [THIS FORM](#) to let us know by the 10th of January whether you can participate in the Spring School and which agenda points you will attend. Please make sure to also select online workshop(s) you want to take part in, as places are limited here and the coaches will adapt their courses to the attendants.

27th
of
Febr.

- If you can offer an INTERNSHIP for study phase candidates, submit your internship offer(s) using [THIS FORM](#) by the 27th of February.

23rd
of
Febr.

- If you want to make use of our “Print and Bring” service, send us your poster for the poster session by the 23rd of February (to: photonics@maxplanckschools.de)



AT A GLANCE:

ONLINE WORKSHOP:

GOOD SCIENTIFIC
PRACTICE
27.02.2024

IN-PERSON-PROGRAM (04.-08.03.):

	MONDAY, 04.03.	TUESDAY, 05.03.	WEDNESDAY, 06.03.	THURSDAY, 07.03.	FRIDAY, 08.03.
9-10 a.m.	ARRIVAL (TRAVEL TO AACHEN)	Session 1: Photons make stuff	Session 4: Punctual photons	FELLOW TALKS Carsten Rockstuhl Carlo Holly Klaus Jöns	COMPANY TOURS
10-11 a.m.		Session 2: Few photons	Session 5: Where are the photons?		
11-12 a.m.				LUNCH - LUNCH - LUNCH	
12-1 p.m.		FELLOW TALK Constantin Häfner	SOCIAL PROGRAM	MPSP POSTER SESSION	
1-2 p.m.	GUIDED TOUR FRAUNHOFER ILT + RWTH	Rainer Heintzmann: AR AlignIt			PHD CANDIDATE MEETING
2-3 p.m.	Transport to hotel			DEPARTURE	
3-4 p.m.	DINNER				
4-5 p.m.	WELCOME and SOCIAL EVENING	Session 3: A lot of photons	CAREER EVENING	FREE EVENING	
5-6 p.m.					
6-7 p.m.					
7-8 p.m.					

CLICK ON EACH BOX TO JUMP TO THE DETAILS

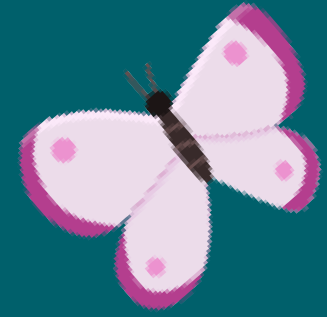


MPSP SPRING SCHOOL ONLINE PROGRAM

GOOD SCIENTIFIC PRACTICE
27.02.2024, Tuesday 09.00-16.00

VIRTUAL ESCAPE ROOM
for intercultural learning

GOOD SCIENTIFIC PRACTICE



COACH: DR. DORIT SCHMIDT

Yes, this is a required course that all MPSP candidates must take at some point - but that in no way means it won't be exciting and informative! You will get an overview about the rules of good scientific practice and the handling of cases of scientific misconduct and explore the differences and grey areas of questionable research practice. You will learn about local, national and international regulations and guidelines. It is a goal of the course to create space for reflections about values and attitudes of science and the role of scientists. You will learn to develop appropriate solutions for difficult situations in the process of science.

Topics of this Workshop:

- Definitions of good scientific practice and scientific misconduct
- Degrees and extent of scientific misconduct
- Examples for responsible and irresponsible conduct of research
- Authorship and the process of publication, mentoring and supervision

VIRTUAL ESCAPE ROOM FOR INTERCULTURAL LEARNING

TIME SLOTS will be individually determined among those who sign up

You've been studying or working in an international environment for a while but it still surprises you sometimes? You want to improve your soft skills in that?

Join the virtual intercultural escape room game for an interesting experience. In the escape room you will interact with students from different places and will solve tasks together as a team in order to "escape".

Apart from having fun together you will learn about first steps in intercultural collaboration which will be reflected upon in a debriefing. The play time is around 100 minutes and after a break there is the debriefing session of 80 mins. The time slots will be scheduled with those who sign up.

You want to know, what is expecting you?

Of course, we can not spoil the event but here is a little teaser video for you:

<https://youtu.be/5djlu1jsfqk>

You can sign up under the registration link.





MPSP SPRING SCHOOL PROGRAM

MON 04.03. – FRI 08.03.2024

It's time to network in Aachen!
Hop on the train and let's get started!

**MAX
PLANCK
SCHOOL**

**of
photonics**

TALK & GUIDED TOUR THROUGH FRAUNHOFER ILT & RWTH

(MONDAY, 04.03.)

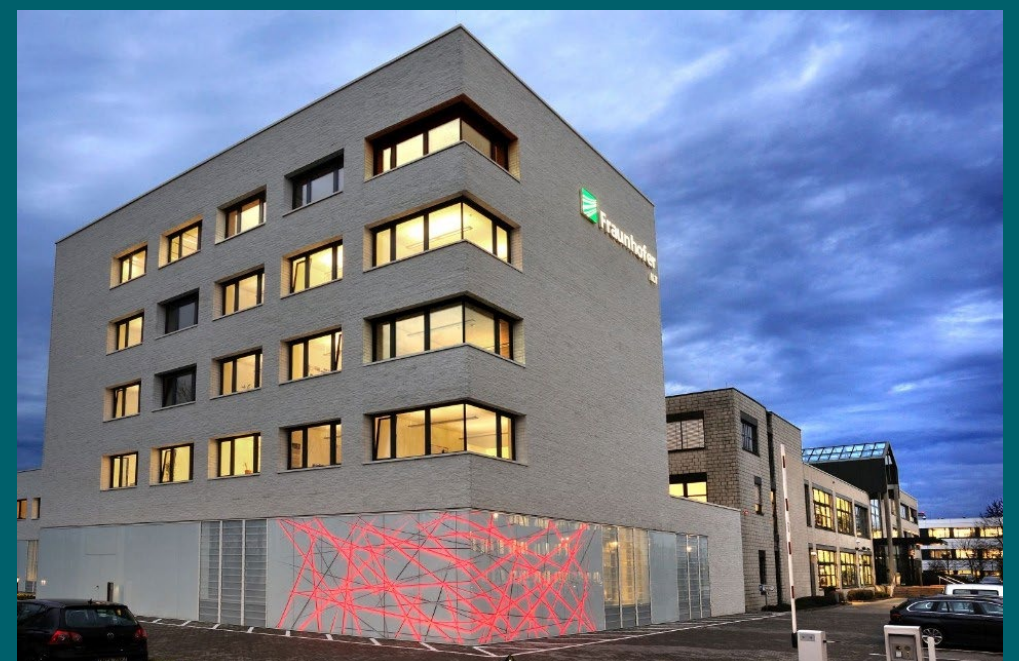
Fraunhofer ILT - for more than 35 years this abbreviation has stood for bundled know-how in the field of laser technology. Innovative solutions for manufacturing and production tasks, development of new technical components, competent consultation and education, highly specialized personnel, state-of-the-art technology and international references: These are the guarantees for long-term partnerships.

RWTH AACHEN:

TOS - Chair for Technology of Optical Systems

In close cooperation with the Fraunhofer Institute for Laser Technology ILT the chair mainly focuses on the design and the assembly of optical systems for lasers and laser application as well as for lighting applications. The design of optical systems is carried out by means of sequential and non-sequential ray-tracing software but also by specifically developed design tools.

The design of freeform optics as well as the design, realisation and characterisation of opto-mechanical devices and the integration of actors and sensors into optical systems are further main research fields of the chair.



STUDENT CONFERENCE

(TUESDAY - THURSDAY, 05.-07.03.)

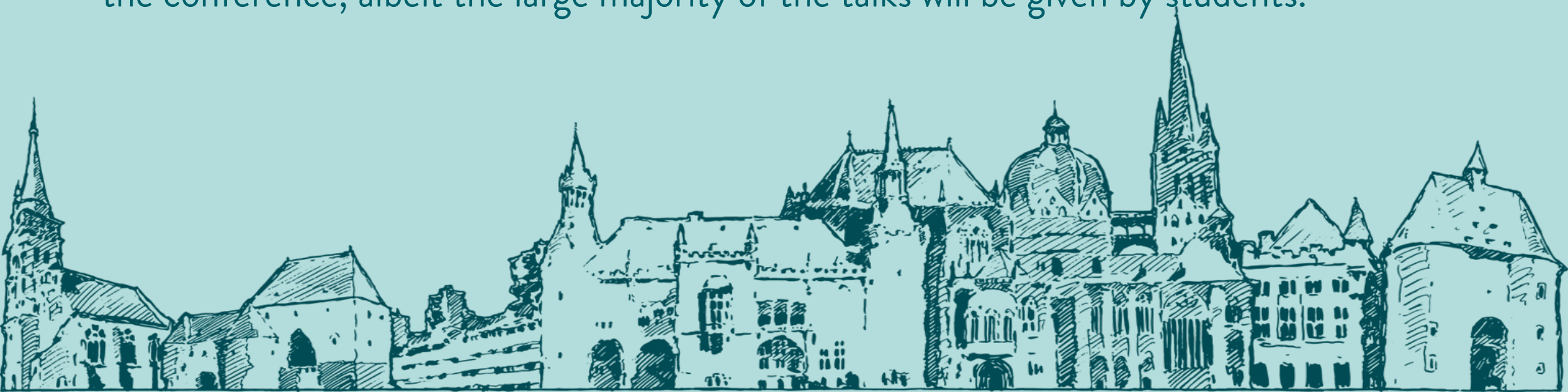
Due to its outstanding success, we will have the second MPSP Spring School Conference during the Spring School 2024 in Aachen. We hope to have an interesting and diverse program covering a wide range of the research that is being done within our school. But to make this possible, **we need your contributions!**

You have the opportunity to present your research (may it be your main PhD project or some other interesting topic) in an informal atmosphere as a **15-min talk** (+5 min setup and QnA) or as a **poster**.

Please give a (tentative) title for your contribution and indicate if you prefer a talk or a poster (we strongly encourage oral contributions).

We will group the contributions into topical sessions and notify you in January.

This year, we have also invited a few fellows to present their research during the conference, albeit the large majority of the talks will be given by students.



SOCIAL AFTERNOON IN AACHEN

(TUESDAY, 05.03., 2–5 pm)

City Game in Aachen

When you are tired from all the great scientific talks it is time to get some fresh air and discover the area. So, pack a warm jacket with you to the Spring School and prepare for our City Game. During the afternoon in the city centre you will have the chance to explore Aachen and get to know more about your fellow MPSP students. And when you look for some hidden messages, you might even win a prize 😊

If you think this is similar to the scientific treasure hunt you are not wrong. There will again be some tasks and questions for you to answer. But of course, we have some surprises up the sleeve for you. Form a team of 3-8 people and look forward to what we prepare for you this time.



THE POSTER SESSION

(WEDNESDAY, 06.03., 2 - 5 pm)

As in the previous year, you will again have the chance to exchange ideas on your research in a poster session.

We ask all research phase candidates as well as senior study phase candidates (who do not give a talk during the student conference) to prepare a poster about a current research project.

If you would like to use our "Print and Bring" service, please send us your poster with the following criteria by **the 23rd of February 2024 at 12pm:**

- Format: A0
- File type: pdf, tif or jpg
- Make sure it is good quality
- File size: max 10Mb

Please fill in the following form the title of your poster, so we can prepare an overview of your posters for the event:

<https://forms.office.com/e/i9fJ0zMeGn>

By the way, in the Virtual Campus you will also find MPSP templates for your poster design in PPT, which you are welcome to use.



CAREER EVENING

(WEDNESDAY, 06.03., 7-8 pm)

For our career evening we invite representatives of local photonics industry to give you insight into the topics and companies of your potential future employers. Some of them we might as well visit on Friday morning to have a closer look into their development or production. But on Wednesday you will have the chance to chat about their personal experience and career path.



FELLOW TALKS

(WEDNESDAY + THURSDAY, 5. -6.03.)

During the Spring School you will not only have the opportunity to listen to the research of the other PhD candidates during the Student Conference, but you can also expect a few longer talks by our Fellows distributed during the days.

We hope that these lectures will broaden your knowledge and give you deeper insights into the research and work of our Fellows.

The speakers are yet to be confirmed, stay tuned for more information.

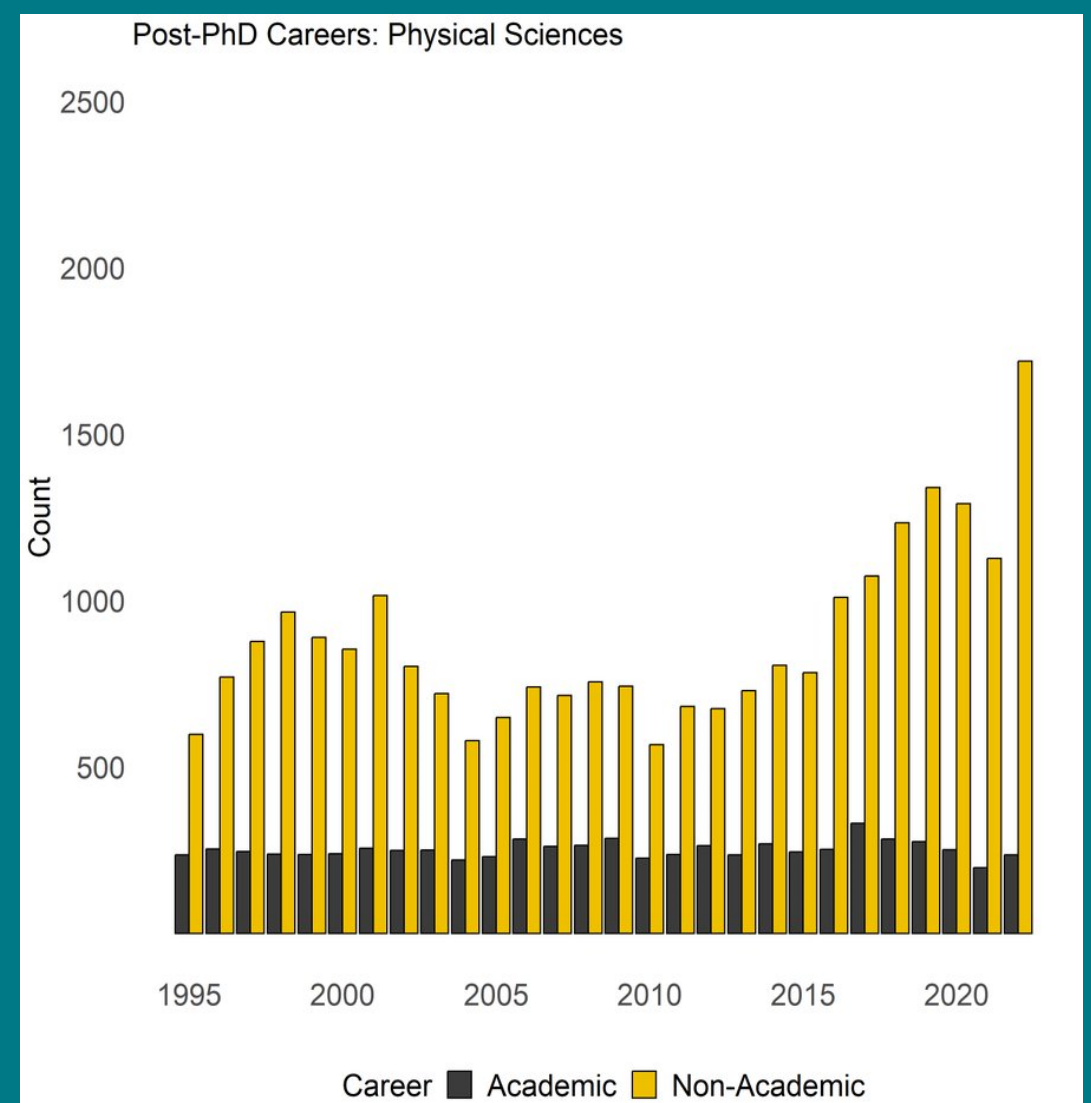


CAREER PLANNING

(THURSDAY, 07.03., 2 – 3:30 pm)

According to this analysis of the survey conducted by the National Science Foundation in the USA and also to many other studies and observations worldwide, only a minority of PhD students end up in an academic career after finishing their doctorate. Yet very often the PIs and supervisors present the non-academic path as the less-desired one, in the worst cases directly as a failure. The PhD times also often don't prepare the students for any other path than academic. And most of all, it often seems that when you choose one or the other path there is no way back.

Let's open our eyes to the broad variety of options that you will have when you finish your PhD and discuss how to navigate through them. For this session, we invite some experts and fellows to share their points of view and experiences.



COMPANY VISITS

(FRIDAY, 08.03.)

On Friday, you will have the opportunity to get to know various companies in and around Aachen. We are in contact with companies with different approaches which could be interesting to you, among others: Trumpf, Innolite, Arque and the Forschungscampus Jülich. On Friday you are going to have the possibility to choose from a selection of the above.

We will keep you up to date on which companies or institutes we will visit on the last day of Spring School 2024.



MPSP TRAVEL EXPENSES

WHAT TO DO SO WE CAN PAY FOR YOU

BEFORE THE TRAVEL

Always hand in a Business Travel Request at your employer or University.

For **Study Phase** candidates, we will arrange and pay the hotel booking, but please buy the travel tickets for yourself.

Research Phase candidates will be reimbursed after the event.

Do you have a contract of employment*
with the FSU Jena (Staat Thüringen)?

YES

*also Hiwi and/or Part-time Contract!

NO

- **PhD candidates:** use the „Reisekosten-portal“ of the FSU Jena and/or the procedure required in your institute to submit a travel expense request
 - **Hiwis:** use the form downloadable from the Virtual Campus
 - Use following the PSP-element in the new system:
Z-74-00076-02-17010000
 - Do it at least 2 weeks before the travel
- Hand in a Business Travel request at your workplace / institute
 - You'll have a guest status at the FSU



MPSP TRAVEL EXPENSES

WHAT TO DO SO WE CAN PAY FOR YOU

AFTER THE TRAVEL

WHEN
?

- You have a **maximum of 3 months** to hand in your Travel Expense Request, but the FSU Administration usually needs 6-8 weeks to process the requests, so please do it as soon as possible after the travel

WHAT TO
HAND IN
?

- Travel Expense Report Form together with all of your invoices and proof of payment

WHAT WE
PAY

- Accommodation (according to the „Städtekatalog“, except for centrally organized events)
- Travel (Train tickets: 2nd Class / own car: 0,20€/km / Taxi: only when it is properly justified; Parking fee)
- Food is **NOT** reimbursed; if the event is fully catered, no daily allowance is granted
- *Please do not buy tickets for each other!*

You can find detailed information about Business Travels and the downloadable Forms to use on our Virtual Campus under [MPSP Office/General Administrative Resources/Business Travel](#)



SEE YOU AT THE MPSP SPRING SCHOOL!

Any questions regarding the
program? Just email
photonics@maxplanckschools.de

PLEASE
REGISTER BY
JANUARY
10th

