

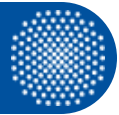
University of Stuttgart
4th Physics Institute

3. YoungDGaO Summer School

02.08. to 06.08.2021 at the University of Stuttgart

Campus Vaihingen





This Summer: Young DGaO Summer School 2021 at the University of Stuttgart

The **German Society for Applied Optics (DGaO – Deutsche Gesellschaft für angewandte Optik)** aims to bring together representatives of applied optics from science and industry and to promote exchange.

The summer school offers young and prospective scientists and engineers in the field of optics an ideal opportunity for exchange, networking and professional training.

From August 2nd until August 6th, 2021, lectures, company tours and workshops with a wide range of topics from applied optics, micro- and nano-optics and quantum optics will take place at the University of Stuttgart.

Joint leisure events offer the opportunity for discussion and exchange of experiences, short presentations by the participants on their respective areas of activity are expressly desired.

3. YoungDGaO Summer School



Timetable Young DGaO Summer School 2021



University of Stuttgart
Germany

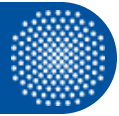
Pfaffenwaldring 57: Hörsaal 57.01

	02.08.2021	03.08.2021	04.08.2021	05.08.2021	06.08.2021
Time	Monday	Tuesday	Wednesday	Thursday	Friday
07:30		Breakfast	Breakfast	Breakfast	Breakfast
08:00					
08:45		Corona - Test	Corona - Test	Corona - Test	Corona - Test
09:00		Career prospect optics I: Lightpulse Christian Freitag	Career prospect optics IV: Dr. Ing. h.c. F. Porsche AG Lukas Ewecker	Optics design Workshop BaKaRoS Andrea Toulouse ITO duration: 1.5 h - half of the group	Lab Tours 9:30 - 10:00: ITO/MSL 10:00 - 10:30: MSL/ITO
09:30					Talks
10:00		Talks by the participants and discussion	Campus Tour University of Stuttgart	2 Lab Tours à 30 minutes for the other half of the group IHFG: Dr. Michael Jetter PI1: Dr. Bruno Gompf	10:30 - 11:00: IHFG - Dr. Michael Jetter
10:30					11:00 - 11:30: ITO - Prof. Dr. Alois Herkommer
11:00					11:30 - 12:00: IFSW - Thomas Graf: Laser technology in production
11:30					
12:00	Arrival Universität Stuttgart Vaihingen	Lunch (Mensa)	Lunch (Mensa)	Lunch (Mensa)	Lunch (Mensa), Coffee break
12:30					
13:00	Lunch (Mensa)	Career prospect optics II: Q,ant GmbH	Career prospect optics V: Trumpf GmbH + Co. KG	Career prospect optics VI: Robert Bosch GmbH	
13:30				Talks by the participants and discussion	
14:00	Introduction Welcoming Talk PI4 - Prof. Dr. Harald Giessen		Trip to Stuttgart city center		Departure
14:30					
15:00	Optics at the University of Stuttgart Introduction Orga 15:00 - 15:30: Orga 15:30 - 16:00: Talk PI3 - Dr. Florian Kaiser	15:00-15:30: Talk PI1 - Dr. Bruno Gompf: Mueller matrix ellipsometry			
15:30		Talks by the participants and discussion		Hiking to Bärensee	
16:00	Coffee break	Coffee break	Meeting point Main Station		
16:30	Talks by the participants and discussion	Career prospect optics III: Printoptics Simon Thiele	Planetarium: "Planeten – Expedition ins Sonnensystem"		
17:00	Check-in IBIS Hotel Vaihingen				
17:30					
18:00		Dinner Evening activities		Dinner + Feedback	
18:30					
19:00	Dinner Evening activities		Dinner in the city center Evening activities		
19:30					
20:00					



Thematic focus

- **Optical design**
 - Workshop BaKaRoS (Baukastensystem zur Realisierung optischer Systeme – BMBF Project from „Open Photonics“ <https://www.ito.uni-stuttgart.de/forschung/gruppe-ods/bakaros/>), evtl. Leica Workshop, visits of TRUMPF Ditzingen, Bosch Renningen, Zeiss Oberkochen, talks of renowned professors, Stuttgart Instruments, Printoptics
- **Micro-/Nano-optics**
 - Insights in the fabrication process of 3d printed micro-optics (4. Physical Institute), Microstructure Laboratory, Printoptics, Institute for Technical Optics
- **Quantumoptics/-communication**
 - Insights in Q.ant (Part of TRUMPF Group), visits of Bosch, laboratory visits and talks about quantum optics at the University of Stuttgart (FMQ, IQST, PI3, PI4, PI5, IHFG, ITO)



Application process and organizational issues

We ask for a CV (one page) and a letter of motivation (one page) by June 30 to young-dgao@uni-stuttgart.de.

Participation fee is 50€.

The costs for the accommodation (Hotel ibis Styles Vaihingen) incl. breakfast and transportation within Stuttgart will be covered by the DGaO. We strive to also cover other catering costs as far as possible.

Note: Lectures, talks and workshops at the Summer School will probably be held in English. However, organizational inquiries can be made in German at any time.

In case, special events will not be allowed at the University of Stuttgart until the beginning of August, the Summer School will take place as a digital event.