Registration

Registration by QR Code

Online Registration

With my registration I accept the terms and conditions of Photonics Hub GmbH (available at www.photonics-hub.de kontakt/agb)

Note According to Art. 6 GDPR (EU General Data Protection Regulation) we inform you about the electronic storage of your data and the processing in the automatic procedure.

Participation fee

Members of Optence e. V. and Kunststoff-Institut Lüdenscheid 640 €
(+ 19% VAT, corr. 761,60 € gross)

Non Members 790 €
(+ 19% VAT, corr. 940,10 € gross)

Included are lunch, coffee-break, beverages, dinner on March 18th.

After registration you will get a confirmation. According to the terms and conditions cancellations are possible until 21 days before the start of the course.For later cancellations we will charge the full amount of the participation fee.

Venue

BDKJ Jugendbildungsstätte Rolleferberg e.V.
Rollefbachwerg 64
52078 Aachen

optence
networking in photonics

Photonics Hub GmbH
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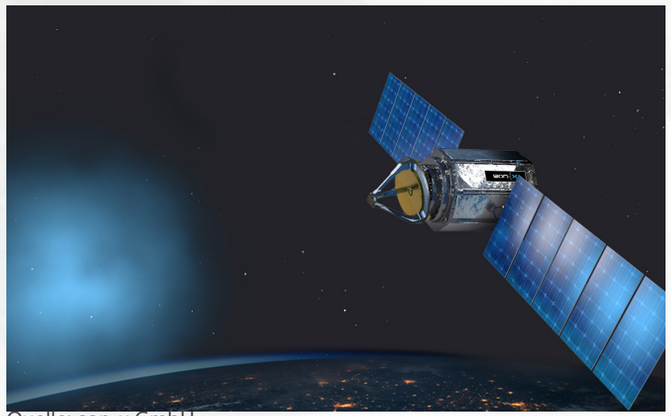
Photonics HUB

Photonics Hub Symposium

Photonics for Space

March, 18th/19th, 2025
in Aachen



Quelle: son-x GmbH

in cooperation with

son ultrasonic precision

Photonics for Space

Photonics is growing in importance in space applications, specifically in the manufacturing of high-precision optical mirrors for satellites and telescopes.

The "Photonics for Space" Symposium will present the latest developments and challenges in the use of photonics for space applications. The event will include discussions on topics such as materials for photonics in astronomical applications, the manufacturing of ultra-precise metal mirrors, mirrors for laser satellite communication or optical metrology in aerospace.

The aim of the event is to bring together experts in the field to share their knowledge and know-how, explore new opportunities for research and development in this exciting area and provide efficient networking for participants.

The cooperation partner son-x develops pioneering innovations together with his customers. No matter whether it is the production of precision mirrors from one millimeter to 1000 mm in diameter. Any size can be produced, from individual items to large series.

www.son-x.de

Program March 18th, 2025

16:00 **Arrival at son-x**

16:30 **Welcome**
Dr. Olaf Dambon, son-x GmbH

16:45 **Company tour son-x GmbH**

19:00 **Networking-Dinner**
(included in the registration fee)

Program March 19th, 2025

08:30 **Arrival**

09:00 **Welcome,**
Dr. Olaf Dambon, son-x GmbH
Tobias Kammans, Photonics Hub GmbH

09:15 **Fused silica challenges in radiation hard environments,**
Dr. Frank Nürnberg, Heraeus Quarzglas GmbH & Co. KG

09:40 **Crystalline Materials for Photonics in Astronomical Applications,**
Dr. Gordon von der Gönna, Hellma Materials GmbH

10:05 **Astronomy, Atmosphere, and Agriculture: Nanophotonics for Space,**
Dr. Falk Eilenberger, Fraunhofer IOF

10:30 Coffee break

11:00 **Innovative Process and Machine Technologies for the Production of High-precision Glass Mirror Substrates,**
Dr. Paul-Alexander Vogel, Vitrum Technologies GmbH;
Constantin Meiners, Fraunhofer IPT

11:25 **Industrialisation and operation of fine steering mirror for laser satellite communication,**
Dr. Marko van Dalfsen, DEMCON focal

11:50 **Manufacturing of Ultraprecise Metal Mirrors – Opportunities and Challenges,**
Dr. Olaf Dambon, son-x GmbH

12:15 Lunch break

13:15 **A versatile Space Laser Toolkit for Wavelengths from UV to MIR,**
Bastian Gronloh, Ruphos - Rugged Photonics Systems GmbH

13:40 **Space qualified optical coatings : metallic, dielectric and black coatings,**
Charlotte Marty, CILAS

14:05 **Current investigations in coating technology for space and astronomy,**
Dr. Andreas Wiebke, Laser Zentrum Hannover e.V.

14:30 Coffee break

15:00 **Precision Measurement of Complex Optics by Use of a Scanning Point Multi-Wavelength Interferometer,**
Dr. Marc Wendel, Taylor Hobson

15:25 **Optical metrology for material characterization and non-destructive testing in Aerospace,**
Dr. Andrei Anisimov, TU-Delft

15:50 End of the symposium

After the event, there will be an opportunity to do also a company tour at son-x.