12th UPOB Workshop 2024 - Asphere Metrology

Event - 12th UPOB Workshop 2024 - Asphere Metrology ↻

Title	12th UPOB Workshop 2024 - Asphere Metrology
When	Di, 12. März 2024 - Mi, 13. März 2024

Description

12th Workshop 2024 - Asphere Metrology

In the field of asphere metrology, many new advancements were achieved, new measurement procedures were developed and precision was noticeably improved. In previous High-Level Expert Meetings (HLEM) and workshops, developers, manufacturers and users have confirmed the great interest in asphere metrology.

Please learn more about previous events by following links (HLEM 2023, HLEM 2022, **HLEM 2021, HLEM 2019, HLEM 2018, HLEM 2017**; **Workshop 2016**; **HLEM 2015; HLEM 2013**; **Workshop 2012; HLEM 2012, HLEM 2010**)

In order to manufacture ultra-precise and high-tech optical components and to be capable of further miniaturization, reliable and extremely precise measurement technology is required. Both the introduced measurement systems as well as the results of round robin measurements show the enormous potential of this field of technology. In addition, a great need for comparability, standardization and proximity to users was also pointed out.

Now we plan this new Workshop with topic Asphere Metrology

Save the NEW DATE - 12th Workshop 2024, March 12th - 13th, 2024! The workshop is structured into the following 3 sessions:

- **Assembly of Optical Systems**
  Status: Keynote and 3 additional lectures are confirmed

- **Free-Form and Space Optics**
  Status: Keynote and 6 additional lectures are confirmed

- **Measurements on current HLEM samples**
  Status: 4 lectures are confirmed

R e g i s t e r H E R E ! Find here the Program Flyer **Find here the Program-Preview** Find here the Detailed Program

This Workshop 2024 website will be actualized regularily, do you need any information that is currently not avaliable here?

Don´t hesitate to contact **Mr. Klawitter in our administrative office!**!

ONE Location TWO Events

In spring 2024 our workshop will again take place in Wetzlar in combination with the local trade fair.
On the one hand our popular **HLEM / Worshop series** takes place, on the other hand, the interesting **W3+ FAIR Wetzlar** is held at the same time.

For the second time the Competence Centre Ultraprecise Surface Processing UPOB is taking advantage of the trade show top class environment to host the 12th Workshop 2024. The two day event with topic Asphere Metrology kicks off the day the fair is set up, March 12th 2024.

The cross-industry platform (W3+ FAIR) for enabling technologies, invites companies from optics, photonics, electronics and mechanics to Buderus-Arena Wetzlar.

Learn more by visiting W3+ FAIR website here.

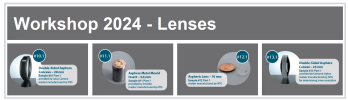
Workshop Spring 2024

On the one hand our upcoming 12th Workshop 2024 is dedicated to the presentation of measurement results of current lenses (4 parts), discussion and dissemination of new developments and recent scientific results in asphere and free form metrology for reflective and transmissive surfaces.

On the other hand, there are lectures on the assembly of optical systems and Free-Form and Space Optics

With this broader scope we aim to supplement our previous events while also addressing asphere and free form metrology to interested scientists, developers and manufacturers.

The four different samples are available for measurements through kind support of Leica Camera, Innolite and Edmund Optics. The marks on the glass samples were realized by NTG.



Are you interested in taking an active part?

- Do you want to take part with measurements?
- Would you like to give a talk on the topics mentioned above?

Don´t hesitate to contact **Mr. Klawitter in our administrative office!**

Planned Main Topics of Workshop 2024



13th HLEM 2023 – Asphere Metrology
Detailed Programme
V2.0

DAY 1	Tuesday, March 28th, 2023 Session: Round Robin: Measurement Technologies and Results Chair: Gilmar Notni	Afternoon
12:00	Panasonic UA3P: UPOB Sample Results – Technical News About the UA3P System Tomofumi Morishita, Panasonic, Japan	
12:30	Lunch and Coffee Break, Technical Exhibition and YSA Poster Session	group photo time!
13:30	Precision Measurement of Small Optics Including Relational Datum Parameters by use of a Scanning Point Marc Wendler, Taylor Hobson, Germany	
14:00	Capabilities of Multi-Sensor Technologies for the Measurement of Molds and Complex Optics Mario Fischer, Mahr GmbH, Germany	
14:30	Round Robin HLEM 2023 – Measurement of Aspheric Lenses by New VSPOT Technology Ronald Kormeier, Hofbauer Optik Mess-& Prüftechnik, Germany	
14:55	Simple Centering Technology on Aspheres – also Double-Sided Engelbert Hofbauer, Hofbauer Optik Mess-& Prüftechnik, Germany	
15:05	Coffee Break, Technical Exhibition and YSA Poster Session	

Main Topics:

■ **Measurements on current HLEM samples**

■ **Presentation of the results**

■ **Assembly of Optical Systems**

■ **Free-Form and Space Optics**

The following topics are also of interest:

Additional Topics:

■ New developments in measuring techniques for aspherical, free-form and cylindrical lenses

■ Measurement of unmounted aspheres

■ Measurement of endoscope optics

■ Measurement of mobile phone optics

■ Inner centration of aspheres

■ Other topics related to asphere and free-form metrology or production

D o w n l o a d h e r e the Detailed Program! D o w n l o a d h e r e the Program Flyer!

Y o u r c h a n c e t o j o i n !

■ Would you like to perform measurements and give a presentation?

■ Would you like to receive more details of the "round robin" samples?

■ Would you like to give a lecture without measurements?

■ Are you interested in participating?

■ Are you interested in participating in the supporting exhibition?

Please send an e-mail with your request to: info@upob.de

D o w n l o a d h e r e your registration!

YSA 2024 - Young Scientist Award

Awarding the Young Scientist Award will not take place during this workshop.

During our next Meeting in March 2025 young scientists will have opportunity to present their work.

Save the Date!

Key Dates Measurements & Meeting:

■ Start of measurements:
June 1st, 2023 - February 1st, 2024

■ Application for measurements:
closed for workshop 2024
open for next meeting in 2025

■ Abstract deadline „none measurement contributions“:
November 15th, 2023

■ Deadline for performing measurements:
February 1st, 2024

■ Deadline to submit measured data:
Not later than 2 weeks after end of your measurement period
During this workshop no comparison is planned

■ Deadline to submit author & title:
December 1st, 2023

■ Deadline to submit presentation slides:
(for download by registered participants)
March 10th, 2024

Exhibition:

■ Deadline registration for industrial exhibition:
March 10th, 2024 (first come first serve)
This time 4 table-top presentations are possible

Participation:

■ Start registration:
Spring 2024 **(download registration form here)**

■ Deadline registration:
March 1st, 2024

Organizational Details

■ Date of Meeting:
March 12th - 13th, 2024

■ Language:
english

■ Registration:
Please register by letter, fax or E-Mail using the registration form.
Following this you will receive an invoice and confirmation.

■ Attendance fee:

Lecturers: € 250 (1st person)
Members: € 250
W3+ Exhibitors: € 500
Wetzlar Network Partner: € 500
Non-members / others: € 650

Please pay in advance after you have received the invoice.

■ Recommended Accomodation:
The hotel situation during the HLEM and the Trade Fair W3+ in Wetzlar is relaxed.
We have not reserved a contingent, we recommend the following hotels:
Leitz Hotel
Achat Hotel
B&B Hotel Wetzlar
Best Western

■ Get Together: ==> not planned in 2024

■ Conference Dinner:
Attendees of our Workshop 2024 are invited to **Steakhouse Bolero** in Wetzlar
(For Entry please wear your Name Badge)
Address: Steakhaus Bolero, Kornmarkt 7-9 / 35578 Wetzlar

■ Trade Fair W3+ Visit included:
Attendees of our Workshop 2024 can also **visit the W3+ Fair** free of charge

■ Apero after the Workshop and W3+
Attendees of our Workshop 2024 and the W3+ are invited to network with W3+ exhibitors
March 13th, 2024; Start 17:15; Location: Foyer Area in Buderus Arena

■ Conference Location:
Buderus Arena Wetzlar
Wolfgang-Kühle-Straße 1, 35576 Wetzlar, Germany

■ Travel:
==> details are coming soon

■ Download:
Learn more about all downloadable files of this event here

Contact:

CC UPOB e.V.
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38116 Braunschweig
Germany

Venue - Buderus Arena Wetzlar

Location	Buderus Arena Wetzlar
Street	Wolfgang-Kühle-Straße 1
Postcode	35576
City	Wetzlar
County	Hessen
Country	DE
Website	https://www.buderus-arena.de/