

# News from "Your Partner for Excellence in Optics"

**SCHOTT**  
glass made of ideas

Advanced Optics – Newsletter 01/2014

## PRODUCTS

### ZERODUR®: Things are heating up

Our ZERODUR® melting tank returns to service January 7, 2014, as our routinely scheduled shutdown comes to a close



After a few months of hard work, SCHOTT Advanced Optics is excited to announce that we have completed the routine refurbishment of our ZERODUR® melting tank. This planned and scheduled maintenance is a routine part of the ZERODUR® production process, occurring every few years depending

on the demand-driven melting volume. The first melt of the new tank has been successfully completed on January 7, 2014, and marks the beginning of a very productive manufacturing run.

(see next page)

## PRODUCTS

ZERODUR®: Things are heating up 1

## EVENTS


The wait was worth it: the new Pocket Catalog is available! 2

Join us at BiOS and Photonics West 2014 3

IMPRESSUM 4

 SCHOTT on Twitter

 SCHOTT on Facebook

 Events

The melting tank is a key part of our sizable ZERODUR® production facility, which is capable of addressing our customers' needs without difficulty. This includes IC and LCD Lithography and industrial application-driven demands. We will also be able to assume the estimated manufacturing

requirements of the European Extremely Large Telescope (ELT) project without any added strain or delays to our regular production.

SCHOTT Advanced Optics is proud of the work completed by our refurbishment team, as the group's dedication

and diligence allowed us to return to production in a timely fashion. If you are interested in learning more about our ZERODUR® extremely low thermal expansion glass-ceramic, please contact your SCHOTT representative directly.

## EVENTS

## The wait was worth it: the new Pocket Catalog is available!

Did you know that the popular SCHOTT Pocket Catalog has provided valuable information on 'Optical Glass' topics to our customers for nearly half a century? SCHOTT Advanced Optics published our first Pocket Catalog in 1968!

### SCHOTT Advanced Optics is proud to announce the release of our new Optical Glass Pocket Catalog, during Photonics West 2014

Details matter to SCHOTT Advanced Optics as they allow us to provide customers with the products and resources they need. They also allow our customers to run their businesses effectively. Which is why after thorough review and polishing, we are excited to announce the completion of our Optical Glass Pocket Catalog for 2014.

The catalog features several additions of note, including a list of select glass types

available with step 0.5 tolerance for the refractive index and Abbe number, and the inclusion of i-Line glasses for microlithography with excellent transmittance at 365 nm and highest homogeneities. The SCHOTT Advanced Optics team plans to release this comprehensive piece in first week of February during the Photonics West Exhibition in San Francisco, California.

According to Thea Marcoux, Director of Marketing for Advanced Optics,

Photonics West is an ideal setting for the catalog's release as it's the largest event in North America. "Photonics West is an opportunity for us to engage with many of our customers personally and discuss any questions they may have about the new catalog face to face." Marcoux continued by saying, "We know many of them are as excited as we are to receive the new catalog, and we feel they will appreciate the time we spent ensuring the catalog is as informative as possible."

SCHOTT Advance Optics is proud of the completed catalog and is looking forward to hear our customers' thoughts. If you'd like to receive your own copy of the new Optical Glass Pocket Catalog, please contact your local sales representative.

[BACK TO INDEX](#)



## Join us at BiOS and Photonics West 2014

**SCHOTT Advanced Optics invites all of our customers to join us in San Francisco at BiOS (booth 8642) and Photonics West (booth 1601) to learn more about our capabilities**

With the beginning of February quickly approaching, the SCHOTT Advanced Optics team is getting ready for an exciting few days at BiOS and Photonics West 2014. We have a full schedule of presentations and product demonstrations arranged for attendees to enjoy and we hope to see many of our customers there.

BiOS and Photonics West are one of SCHOTT's best opportunities during the year to reconnect with familiar faces, as well as meet some new ones. This year, our exhibitions will showcase the wide portfolio of products from Advanced Optics for laser applications as well as include exciting glass products such as Filter Glasses, our Infrared Chalcogenide Glasses and High Homogeneity Glass. Of course, the biggest excitement for our team is the release of our Optical Glass Pocket Catalog for 2014.

The SCHOTT Advanced Optics presentation schedule for BiOS and Photonics West is as follows:

If you would like to learn more about any of these presentations, or if you'd like to schedule a private consultation with one of our representatives during the show, please contact Oliver Hart at [oliver.hart@schott.com](mailto:oliver.hart@schott.com).

We look forward to seeing everyone there!

[BACK TO 'THE WAIT WAS WORTH IT'](#)  
[BACK TO INDEX](#)



**2:30 pm**

Product Demonstration:  
SCHOTT ultra-thin glass for electronics & biotech applications.  
George Meyer, SCHOTT North America, Inc., Advanced Optics

Feb.  
01

**11:30 am**

Product Demonstration:  
SCHOTT eye-safe laser glass for medical applications.  
Dr. Simi George, SCHOTT North America, Inc., Research and Technology Development

Feb.  
02



**1:30 pm**

Product Demonstration:  
Optical and interference filters for all spectral applications.  
Dr. Ralf Jedamzik, SCHOTT AG, Advanced Optics

Feb.  
04

**2:30 pm**

Product Demonstration:  
SCHOTT eye-safe laser glass.  
Dr. Simi George, SCHOTT North America, Inc., Research and Technology Development

**5:10 pm**

Technical Paper Discussion:  
Spectroscopic characterization of laser properties: isolating the best methods for accurate measurements and calculations.  
Dr. Simi George, SCHOTT North America, Inc., Research and Technology Development

**6:00 pm**

Poster Presentation: Spectroscopic studies of Er<sup>3+</sup> emission in co-doped phosphate glasses (~120 mins).  
Dr. Simi George, SCHOTT North America, Inc., Research and Technology Development

**10:30 am**

Product Demonstration:  
Release of the new Optical Glass Pocket Catalog – From tightest tolerances to highest homogeneity.  
Dr. Ralf Jedamzik, SCHOTT AG, Advanced Optics

Feb.  
05

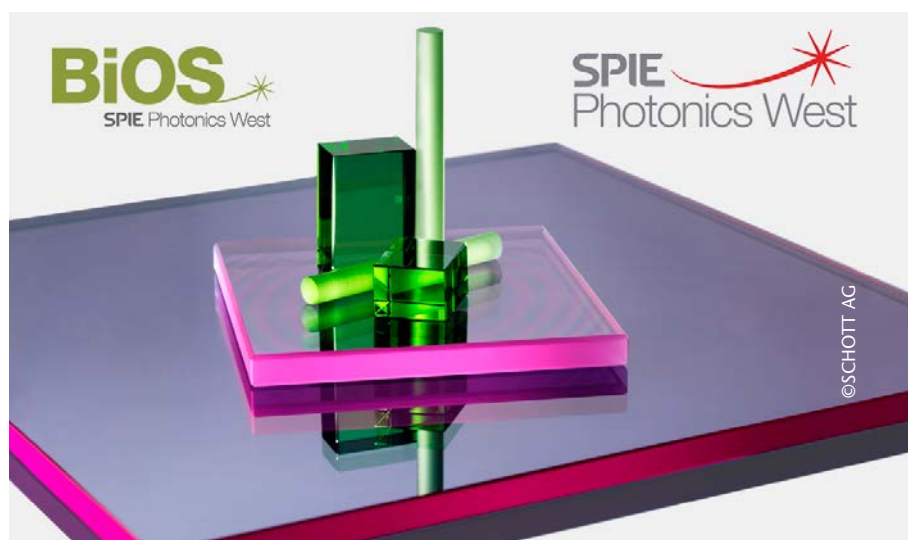
**6:00 pm**

Poster Presentation:  
Optical glasses with tightest refractive-index and dispersion tolerances for high-end optical designs (~120 mins).  
Dr. Ralf Jedamzik, SCHOTT AG, Advanced Optics

**10:30 am**

Product Demonstration:  
Next generation multi-spectral materials  
Dr. Nathan Carlie, SCHOTT North America, Inc., Research and Technology Development

Feb.  
06



**IMPRESSUM****Publisher**

Advanced Optics

**SCHOTT AG**

Hattenbergstrasse 10

55122 Mainz

Germany

Phone +49 (0)6131/66-1812

Fax +49 (0)3641/2888-9047

info.optics@schott.com

www.schott.com/advanced\_optics

**Editorial staff**

Marketing Advanced Optics – Print

**Typesetting and Lithography**

Knecht GmbH Ockenheim

Product names marked with ® or ™ have been registered or applied for as SCHOTT brands in many countries.

[BACK TO INDEX](#)