



OTF Studio Workshop

11.06.2025-13.06.2025, Wetzlar, Germany

- ◆ **OTF Studio Workshop** organized by **OTF Studio GmbH** and **Langbein Kolb Consulting** is an excellent chance to get insights into the main principles of the OTF Studio Thin Film Software and get hands-on experience with the software.
- ◆ **Location:** Leica Welt, Am Leitz-Park 6, 35578 Wetzlar is located right in Leitz Park, one of Wetzlar's most famed attractions. The location provides easy access to the many sides of this vibrant destination. You can see the history of the compact camera at the Ernst Leitz Museum at Leitz Park and stroll through the historic old town of Wetzlar (less than 3 km distance) to experience the centuries-old magic of the city, and along the Lahn River.
- ◆ **Important:**
 - Please **bring your laptops** with you. The software should be either installed in advance or you need to have administrative permission to install the software before the workshop starts.
 - Accommodation is provided by the next door hotel "Vienna House by Wyndham Ernst Leitz Wetzlar", Am Leitz-Park 8, Wetzlar (<https://www.hrg-hotels.com/viennahouse/ernst-leitz-wetzlar/>). Please **book the hotel room** yourself by sending an email to info.ernstleitz-wetzlar@hrg-hotels.com giving the reference: "Langbein Kolb Consulting" before 16.04.2025 (date set by hotel). The costs for the hotel room are not included in the course fee. They have to be paid directly by you at the hotel.
- ◆ **Who should attend:** The workshop is tailored for optical coatings engineers, scientists, students, PhD students, and technicians who are engaged in the design, characterization, monitoring, production, and development of optical thin films. No deep knowledge of mathematics or physics is required.
- ◆ **What will you learn:**
 - OTF Studio main principles, interface, design, characterization, reverse engineering, and monitoring algorithms
 - Opportunities to harness OTF Studio in your real design-production environment.
 - Multiple examples and demonstrations related to OTF Studio features and algorithms.
- ◆ **More:**
 - We are there to help with all your design, characterization, automatization, reverse engineering, and monitoring challenges.
 - Your feedback and requests for new features are valuable to us, and we would be delighted to receive them.
- ◆ **Highlights:** Guest speakers:
 - **Dr. Jörg Terhürne**, Bte Bedampfungstechnik GmbH, www.bte-born.de
 - **Mr. Ralph Schmittgens, Mr. Simon Kusmierz**, Leica Camera AG
- ◆ **Take-home materials:** Trial license in the case of interest; training materials (presentations, examples).

Last but not least: You can look forward to dinner, lunch, and coffee breaks, providing excellent op-

Local attractions:

- * Leica Welt im Leitz-Park und Ernst Leitz Museum
- * Old Lahn Bridge
- * Scenic walks along the Lahn River



11.06.2025, Wednesday

08:30 | Registration, hardware keys to participants. Short introduction of OTF Studio GmbH.

08:50 | General concepts of OTF Studio Software: User interface, data storage and operations with projects, catalogs, conventions, plotting. Import/Export options. Creating and operating layer materials, substrates, and designs. Analysis options of OTF Studio (Part I).

10:30 | Coffee break

11:00 | Training

12:30 | Lunch

13:30 | Analysis options of OTF Studio (Part II).

14:00 | Training

15:00 | Coffee break

15:30 | Basic Design Options (Part I): creating and operating design targets; starting designs; local design optimization. Monte Carlo and Yield simulations.

16:30 | Training

18:00 | Day concludes

19:00 | **DINNER at Vienna House** (incl. in workshop fee)

12.06.2025, Thursday

08:30 | Basic Design Methods and Options (Part II). Designing from scratch.

10:00 | Coffee break

10:30 | Training

12:30 | Lunch

13:30 | Advanced design options of OTF Studio. Color options. Integrals and values.

15:00 | Coffee break

15:30 | Training

16:30 | **Invited talk:** Mr. Ralph Schmittgens and Mr. Simon Kusmierz "Use of OTF Studio at Leica Camera AG"

17:00 | Laser-related coatings. Narrow band-pass filters.

18:00 | Day concludes

18:30 | **DINNER** at Vienna House (incl. in workshop fee)

13.06.2025, Friday

08:30 | Optical monitoring. Presentations of OTF Studio OM mode and Training

10:00 | Coffee break

10:30 | Characterization and reverse engineering with OTF Studio

12:00 | Training

12:30 | Lunch

13:30 | **Invited talk:** Dr. Jörg Terhürne "Characterization of quantized nano-laminates (QNL) with OTF Studio"

14:30 | Training

15:00 | Development of own projects using OTF Studio and taReo tools; Programming with OTF; Support of the production of optical coatings

15:30 | OTF Studio development roadmap

16:00 | Farewell coffee - departure

16:00 | Optional: **Leica Tour** (duration ca. 1 hour). Registration on the first day of the workshop.

How to reach the location:

<https://www.hrg-hotels.com/viennahouse/ernst-leitz-wetzlar/>

Please book yourself the hotel room at "Vienna House by Windham Ernst Leitz Wetzlar"

(info.ernstleitz-wetzlar@hrg-hotels.com)

Keyword: Langbein Kolb Consulting before 16.04.2025 (date set by hotel). The costs for the hotel room are not included in the course fee.

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Participant fees:

Early bird (until 30.04.2025)... .. **950 Euro***

Standard (from 01.05.2025)..... 1050 Euro*

*) Net prices, German VAT will be added

Company discount 20%: if three attendees from the same company participate

Registration

- via e-mail i.langbein@gmx.de
- Registration form <https://www.otfstudio.com/workshops>