

## Guided Laboratory Tour: Optical Glass Fiber Fabrication at HITec

The local group *Laser Components and Fibres* of the Institute of Quantum Optics operates two ISO 7 cleanrooms at the Hannover Institute of Technology (HITec), which cover the complete fabrication chain of fused silica glass fibers. A state-of-the-art modified chemical vapor deposition (MCVD) setup is used to fabricate fiber preforms, see Fig. 1, and a 12m high specialty draw tower allows to draw fibers from these preforms, see Fig. 2. Current research activities are innovative multicore fibers for endoscopy and to merge various nanomaterials with fiber technology, e.g. as novel light sources.

We are offering guided laboratory tours and invite interested conference attendees to visit us.

Slots: Monday, August 29<sup>th</sup>, 15:00 – 16:30  
Wednesday, August 31<sup>th</sup>, 13:00 – 14:30  
Friday, September 2<sup>nd</sup>, 12:00 – 13:30

For every tour, the meeting place will be at the conference desk from where it will take a walk of 10 minutes to reach HITec.

Registration for **max. 10 attendees per tour** on a *first-come-first-served* basis is requested in advance via email ([elke.huenitzsch@phoenixd.uni-hannover.de](mailto:elke.huenitzsch@phoenixd.uni-hannover.de)) or at the conference desk.

Technical questions (no registration) can be addressed to:

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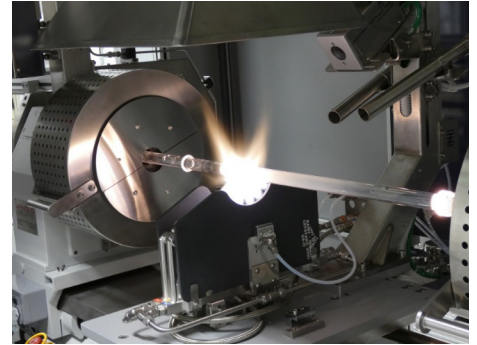


Figure 1: An impression of the MCVD preform fabrication setup at HITec.



Figure 2: An impression of the fiber draw tower at HITec.