

# Program

## Sunday, 14 July 2013

17:00 – 21:00 Registration

18:00 *DINNER and welcome evening*

## Monday, 15 July 2013

07:30 *BREAKFAST*

08:30 – 08:40 Christian Kränkel **Welcome words**

08:40 – 09:00 Oliver Pompe **About the Wilhelm and Else Heraeus Foundation**

09:00 – 10:30 Rüdiger Paschotta **Numerical modeling of high-power bulk and fiber lasers**

10:30 – 11:00 *COFFEE BREAK*

11:00 – 11:45 Thomas Schreiber **Nonlinear pulse propagation in fibers**

11:45 – 12:30 Klaus Petermann **Novel laser materials**

12:30 **Conference Photo** (in the front of the Physikzentrum)

# Program

**Monday, 15 July 2013**

12:45            *LUNCH*

14:30 – 16:00    Andy Clarkson            **High power fibre lasers**

16:00 – 16:30    *COFFEE BREAK*

16:30 – 18:00    Ursula Keller            **SESAM modelocked thin disk laser**

18:00            *DINNER*

19:45            **Discussions (open end)**

# Program

**Tuesday, 16 July 2013**

08:00            *BREAKFAST*

09:00 – 09:45   Tino Eidam            **High-power fiber designs**

09:45 – 10:05   Sven Breitkopf           **Fiber laser based multi-dimensional combining scheme for the next generation of particle accelerators**

10:05 – 10:25   Thomas Calmano           **Highly efficient straight and S-bend Yb:YAG waveguide lasers**

10:25 – 11:00   *COFFEE BREAK*

11:00 – 11:45   Fredrik Laurell           **Volume Bragg grating based lasers**

11:45 – 12:30   Uwe Morgner            **Single-cycle pulse optical field-synthesizer**

12:30            *LUNCH*

14:30 – 16:00   Dieter Hoffmann           **The InnoSlab amplifier**

16:00 – 16:30   *COFFEE BREAK*

16:30 – 18:00   Thomas Südmeyer           **Recent advances in optical frequency combs from ultrafast solid-state lasers**

18:00            *HERAEUS DINNER*  
*(cold & warm buffet, free beverages)*

# Program

**Wednesday, 17 July 2013**

08:00            *BREAKFAST*

09:00 – 10:30   Giulio Cerullo            **Ultra-broadband optical parametric  
amplifiers: towards single-cycle CEP  
stable pulses**

10:30 – 11:00   *COFFEE BREAK*

11:00 – 11:45   Ernst Fill                            **High-harmonic generation in  
enhancement cavities**

11:45 – 12:30   Akira Endo                            **High power, picosecond thin disc  
lasers optimized for X-ray sources**

12:30 – 13:00   **Final discussions and poster award**

13:00            *LUNCH*

**End of the seminar and departure**

*NO DINNER for participants leaving on Thursday morning*