

## **Advances in long term CEP-stabilization of amplified Ti:S based systems**

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Femtolasers has been the leader in commercial Ti:S based CEP-stabilized oscillator and amplifier systems. We will review the advantages of our DFG-based approach to CEP-stabilize an oscillator as well as the scheme for independent stabilization of the amplified system allowing for several hours of continuous CEP-stabilized operation. At the same time, we will introduce our new commercial CEP-stabilized 2 stage amplified system allowing for 5mJ of pulse energy with a pulse duration of  $< 25$  fs incorporating the latest technology from Femtolasers and present data from our Femtopower family of amplifiers.