PHOTONIK SEMINAR

Laser Ignition of Engines – a Status Report

Ernst Wintner

Photonics Institute, TU Wien

At Photonics Institute, as one of the first scientific institutions worldwide, systematic investigations around the idea of laser ignition of internal combustion engines were started around 10 years ago. Now, this technique has reached such a degree of maturity that within the frame of universitarian research the remaining problems cannot be treated any more. To the contrary, serious company project development has been started and, as seen from today, in a few years laser ignition will be implemented into high power gas engines (GE Jenbacher, our long-term partner). This talk will provide an overview on advantages and critical issues of laser ignition, different system concepts and alternative approaches which are considered to be less advantageous or even unrealistic.

For students, this seminar will be made even more attractive by a “Laser Pointer Quiz”: 1. price – a green laser pointer!

Thursday, March 25th, 2010 16:15 hrs.
Seminarraum Institut für Photonik, Gusshausstrasse 27, 1040 Wien, Raum CBEG02

Contact: barbara.weber@tuwien.ac.at