2nd Summer School - Trends in energy and particle beam ultra-precision optical surface engineering

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Title	2nd Summer School - Trends in energy and particle beam ultra-precision optical surface engineering
When	Mo, 29. August 2016 - Fr, 2. September 2016

Description

2nd Summer School - Trends in energy and particle beam ultra-precision optical surface engineering

August 29 – September 02, 2016; Leipzig - Germany

Modern optical surfaces for high-end applications such as semiconductor lithography, laser, synchrotron radiation, telescopes or space-based systems require utmost accuracy over the entire patial
wavelength range. At the same time, the large variety of complex surface shapes/forms demand for highly deterministic machining processes. Ion beam, plasma and laser related manufacturing methods provide unique features for ultra-precision surface engineering on the atomic height scale. The application of these emerging technologies for optical surface fabrication allows to target surface features on the sub-nanometer scale. An interdisciplinary approach to the plasma and ion related technologies makes this summer school an outstanding event for students of natural science and engineering.

The summer school will cover the following topics:

- Ion beam based technologies for ultraprecision optics manufacturing
- Plasma jet technology for ultra-precision surface machining
- Laser ultra-precision optical surface processing
- Methods of ultra-precision surface measurement I production environment
- Modern trends in optical grinding and polishing

The program comprises presentations by expert speakers from academia and industry and practical courses on surface measurement and deterministic fabrication of optical elements and a social event.

Please visit following Link to receive more information about this event:
www.iom-leipzig.de/summerschool2016

Venue - Leibniz-Institut für Oberflächenmodifizierung IOM

Location	Leibniz-Institut für Oberflächenmodifizierung IOM
Street	Permoserstraße 15

Postcode	04303
City	Leipzig
Country	DE
Website	http://www.iom-leipzig.de/index_d.cfm