

Summer School in Astrophotonics

The application of photonics to astronomy

Aimed at *astronomers* wishing to learn about the new technology and
photonicians wishing to learn about astronomical applications

Schloss Wiesenburg, Wiesenburg, Brandenburg, Germany

24-28 September 2012

Open for applications

www.aip.de/en/calendar/scientific-events/astrophotonics-summer-school

Scientific Organising Committee:

Co-chairs - J Allington-Smith, M Roth,
T Birks, J Bland-Hawthorn, R Haynes,
P Kern, L Labadie, J Lawrence, R Thomson

Topics include

Requirements

Answering the big questions in Astronomy
Building instruments for new observatories

Classical state of the art

Spectroscopy
Highly multiplexed spectroscopy
Interferometry

The power of photonics

Basic principles of photonics

Major applications

Photonic filters
Integrated spectrographs
Photonic calibration
Photonics in interferometry
Image and pupil reformatting
Photonic switching

Key technologies

Structured Fibres
3D waveguide structures
Planar lightwave circuits
Technology for the mid-infrared

New instruments

Implementation roadmap

AstroPhotonica

Europa



www.schloss-wiesenburg.de/