

# Potsdam Astrophysical Summer School "Quantitative Spectroscopy in Astrophysics"

20th - 24th June 2016

Leibniz Institute for Astrophysics Potsdam (AIP), Potsdam, Germany

Spectroscopy is a universal tool used in modern Astrophysics, from solar physics to the high-redshift Universe. Essential for the study of most astrophysical phenomena, uses of spectroscopy are manifold:

- Solar physics: probing solar activity
- Stellar physics: characterizing stellar parameters, the ambient medium, stellar activity and evolution
- Interstellar and intergalactic medium: understanding the composition by emission and absorption processes
- Galaxies and their kinematics: studying the evolution of the Milky Way and the Universe on cosmological scales
- Exoplanets: unveiling their atmospheres

... and many more

The Leibniz Graduate School for Quantitative Spectroscopy in Astrophysics will host the Potsdam Astrophysical Summer School at the Leibniz Institute for Astrophysics Potsdam (AIP) from June 20th to 24th, 2016.

Invited are interested graduate students in Physics or Astrophysics to join a week of lectures and hands-on exercises given by experienced scientists in their fields from the AIP and the University of Potsdam.

Participants will get an insight into state-of-the-art research via the recent progress in quantitative spectroscopy both in theoretical methods and observational techniques. No matter which field you are interested in, learning the techniques to extract information from spectra and couple this information with dedicated models to gain quantitative insights is vital to start a scientific career in modern Astrophysics.

For more information please see the website: <https://meetings.aip.de/pass/>

Registration is open now till March 31st, 2016.

For inquiries please send an email to [pass2016@aip.de](mailto:pass2016@aip.de).

The Leibniz Graduate School for Quantitative Spectroscopy in Astrophysics is a collaborative project of the Leibniz Institute for Astrophysics Potsdam (AIP) and the Institute of Physics and Astronomy of the University of Potsdam (UP).

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Email: [pass2016@aip.de](mailto:pass2016@aip.de)