

SEMINARIUM RENTGENOWSKIE

Dnia 02.06.2015r. o godz. 10.30, w sali D Instytutu Fizyki PAN, odbędzie się seminarium rtg., na którym dr Aleksandra Drzewiecka-Antonik z Instytutu Fizyki PAN, wygłosi referat na temat:

"Basics of Infrared Spectroscopy and CSD database overview"

Abstract:

IR spectroscopy is fast, cheap and nondestructive technique applicable to study solids, liquids and gases. The main use of this technique is in organic and inorganic chemistry. IR spectroscopy is used both to gather information about the structure of a compound and as an analytical tool to assess the purity of compounds. The talk will cover basic introduction to mid-IR spectroscopy: experiments and theory, followed by more specific applications of this spectroscopy to characterize organic molecules and transition metal complexes.

Moreover, the Cambridge Structural Database (CSD) will be presented. Established in 1965, the CSD is the world's repository for small-molecule organic and metal-organic crystal structures and contains the results of over half-a-million x-ray and neutron diffraction analyses.

Prof. dr hab. Krystyna Jabłońska