



Kemijski inštitut
Ljubljana
Slovenija

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Slovenia

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Vabilo na Forum40 / Invitation to the Forum40

dr. Mojca Rangus

D-09, Department of Inorganic Chemistry and Technology

Četrtek / thursday, 8.12.2016 ob / at 13:00

**Velika predavalnica Kemijskega inštituta/ Lecture hall, National Institute of
Chemistry; Hajdrihova 19, Ljubljana**

Tracking structural changes with X-ray absorption spectroscopy

The main advantage of X-ray absorption spectroscopy in materials studies is the sensitivity of the method to the local chemical environment around the observed atoms. Since the technique does not need long range order, it can be used to study not only crystalline materials, but also amorphous solids, glasses, thin films, membranes, solutions, liquids or even gases. XAS was successfully used in investigating crystallization process of two porous iron containing metal-organic frameworks, determining structural transformations of Ca-based MOF upon thermal treatment and hydration, as well as characterization of a series of copper-iron mixed catalysts.

Vljudno vabljeni / Kindly invited