



KEMIJSKI INŠTITUT

Vabilo na Preglov kolokvij / Invitation to the Pregl colloquium

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Velika predavalnica Kemijskega inštituta /
Great Lecture Hall
National Institute of Chemistry
Hajdrihova 19, Ljubljana, Slovenia

**Understanding surfaces
using probe molecules and in situ spectroscopies**

Spectroscopic techniques represent a “Swiss Army Knife” in modern chemistry, since their capability to shed light on the intimate nature of molecules and materials, as well as over their mutual interactions. Though some spectroscopic tools (e.g. IR or UV-vis) are nowadays broadly available, their fundamentals are often not fully handled by the final user, sometime leading to gross error in their application and reporting of results. The present contribution aims to illustrate potentialities and limits of IR, Raman, UV-Visible and XAS in zeolites and Metal organic Frameworks characterization. Case studies will be selected in respect to the use of zeolites and MOFs as heterogeneous catalysts or selective adsorbers.

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Vljudno vabljeni / Kindly invited