

zve všechny zájemce na ústavní seminář,
na kterém promluví

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Novel Approaches to Expanding Zeolite Pores Sizes and Dimensions

Seminář se koná **v úterý 23. listopadu 2010 od 14:30 hodin**
v budově ÚFCH JH – v Brdičkově posluchárně
(Praha 8, Dolejškova 3).

Synthetic zeolites and molecular sieves in general, have been extensively studied and developed in order to expand their proven usefulness and exceptional benefits in catalysis, adsorption and ion exchange processes. The discovery of new zeolite types has been very successful through the application of organic structure directing agents but has not produced a practical breakthrough in pore sizes beyond 1nm. The traditional approach is also rather inflexible as the as-made product is typically not amenable to meaningful post-synthesis structure modification. New directions of zeolite materials expansion have been recognized in 1990's. They can be characterized as synthetic chemistry at the inorganic-surfactant interface and layered 2-dimensional zeolite materials. They not only complemented the conventional zeolite field but provided new fundamental insights and potential for practical applications, already realized in some cases. The talk will be based on author's first hand knowledge and experience in this area and also highlight recent discoveries from other laboratories.

Těšíme se na Vaši účast. Hosté jsou vítáni.

