

Seminar
Friday, March 23 2018
4:30 – 5:30 PM
66-110

The influence of pore aperture and channel dimensionality, chemical composition and nature of the compensating cations in the adsorption capacity and gas selectivity for industrially relevant applications



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Abstract:

The influence of pore aperture and channel dimensionality, chemical composition and nature of the compensating cations in the adsorption capacity and gas selectivity for industrially relevant applications will be presented:

- CO₂/CH₄ separation. The influence of pore topology and chemical composition in the rational selection of the appropriated zeolite will be discussed.
- olefin/paraffin separations. The advantage of pure silica zeolites will be presented and the influence of flexibility of separation processes will be demonstrated.
- New targets for zeolite based-separations.