

Уважаемые коллеги!

В понедельник, 17 февраля, в 15:15 в аудитории 204 (химический факультет, Ст.Петербург) состоится лекция **профессора Дениса Ройзарда**, директора мембранной группы университета Лотарингии (Université de Lorraine, Nancy, France) на тему:

"Short introduction to membrane separations: polymers applied to molecular separations"

Продолжительность лекции 1 час.

Коротко о лекции

Mother Nature offers numerous bio-polymers with highly sophisticated structures and functions : what could we learn out of them?

Polymers membrane are dominating the fascinating world of membranes at the industrial level for many applications except in the nuclear industry; for instance polymer membranes are routinely used for blood purification or for the production of nearly pure nitrogen. Indeed, polymers gather three main advantages which push them far ahead compared to ceramics: they are rather inexpensive materials, their physical and chemical properties can be tailored a lot and, in addition, their industrial processing is quite easy to do, allowing the production of either basic membranes as flat sheets or of more sophisticated membranes such as hollow fibres.

Current interests and challenges of polymers membranes in the field molecular separation will be presented as a short introduction to membrane science.

Biography of Denis Roizard

Organization & Responsibilities: Senior CNRS researcher in Reactions Laboratory and Process Engineering (UMR7274 Lorraine University - CNRS) of Nancy, at Ecole Nationale Supérieure des Industries Chimiques, Nancy-France.

Head of the research group: Membranes, Separations, Processes

Director of the Carnot institute Energy and Environment in Lorraine

Former director of the Russian-French PICS & laboratory "Nikolas Plate" (2000-2010)

Formation & Current Research activities

- Ph.D. in polymer chemistry
- Involved in polymeric design of membranes and membrane technologies for gas, vapour and liquid separations – Study of hybrid processes - Application to chemical process industries
- Coordinator of carbon capture research projects with a focus on membrane based gas/liquid contactors.

Contacts

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