

第191回講演会  
【開催：2015年10月29日（木）】  
主催 中国地区化学工学懇話会,  
CREST「多様な水源に対応できるロバストRO/NF膜の開発」

下記の要領で講演会を開催します。多数の方のご参加を頂きますようお願い致します。

記

日時：2015年10月29日（木）15:30～17:00  
場所：広島大学工学部 114講義室  
交通：山陽本線西条駅下車、バス15分、大学会館前下車  
山陽新幹線東広島駅下車、タクシー10分  
広島バスセンターから直行バス約1時間、大学会館前下車

講演：Advanced functional polymeric membranes

講師：Mathias Ulbricht, Professor  
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講演内容：

Polymeric membranes are well established for a wide range of applications, but improving their separation performance (selectivity; permeability; stability, especially against fouling) as well as implementation of novel membrane-based separation processes are still topics of intense research and development. The presentation will focus on various strategies and approaches to obtain advanced polymeric membranes for ultrafiltration and nanofiltration by functionalizations during preparation/manufacturing as well as by post-functionalizations. Some of the membranes are also interesting for more specialized potential applications such as controlled drug release or sensor systems. Specific examples will be taken from previous and ongoing research in our group, with a focus on functional polymeric hydrogel layers, amphiphilic block copolymers and functional inorganic nanoparticles as “building blocks” in/for membranes and on functionalities such as higher selectivity, minimized fouling/cleaning and stimuli-responsive surface and barrier properties.

参加費：無料

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