



# 第190回触媒化学研究センター談話会

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演 題 : Design of Surface Properties by  
Selforganization Processes

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日 時 : 2005年7月8日(金)  
15:30 - 17:00

会 場 : 北海道大学創成科学研究棟  
4階 セミナー室 04-215号室

要 旨 : The scientific approach to surface processes like heterogeneous catalysis, thin film growth, nanostructure formation etc. starts with the use of well-defined surfaces followed by their controlled modification. In this lecture three rather different examples will be presented for this approach. The first two examples are related to model studies on heterogeneous catalysis and will demonstrate the use of ordered binary alloy surfaces (Cu-Pt, Sn-Pd, Ni-Al) for the design of catalytic activities and the preparation of an ideal supported metal catalyst. The third example deals with the self-organization of nanostructured organic layers at a solid/liquid interface, namely viologenes and porphyrins on copper electrodes.

《連絡先》 北大触媒化学研究センター 表面反応ダイナミクス分野

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