



第127回触媒化学研究センター談話会

演 題 : Kinetics and dynamics of
adsorption-desorption processes

講演者 : Adolf Winkler 先生

(Graz University of Technology教授, Austria)

日 時 : 2002年9月5日(木)
15:30 - 17:00

場 所 : 北海道大学ファカルティハウス
エンレイソウ第一会議室(2階)

要 旨 : In this talk I will address basic processes of adsorption and desorption. For this purpose experimental results of the adsorption/desorption behavior of H_2 on various metal single crystal surfaces (nickel, copper, palladium, vanadium) will be presented. The experimental techniques used are thermal desorption spectroscopy, mono-energetic molecular beam adsorption, time-of-flight spectroscopy and REMPI. In particular the sticking coefficient as function of the translational, vibrational and rotational energy and the angle of incidence of the impinging particle will be discussed. Similarly, the state of the desorbing particles with respect to all degrees of freedom will be reviewed.

《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
松島 龍夫 (TEL 011-706-3695)