

Invited lecture

Title: Simultaneous photocatalytic removal of nitrate and organics from aqueous solution over metal modified titania

Speaker: Prof. James Anderson
(Aberdeen University, UK)

Time: 14:30-15:30(pm) Apr. 13, 2011 (Wednesday)

Place: Meeting room 311, IPE Mansion



Abstract:

The impact of metals like iron, copper, gold and silver on surface modification and photocatalytic properties of titanium dioxide was studied. The reasons for metal-modification improving catalytic properties were analyzed. Selectivity differences over different metal modified titanium dioxide and how to get higher reaction selectivity were discussed.

Introduction:

Professor James Anderson got his Ph. D. degree in 1994 from University of Dundee. He is now the director of chemistry department and chair in materials of University of Aberdeen. His main interests involve the identification, quantification and determination of active species on the surfaces of catalysts under operating conditions. Subject areas include selective hydrogenation, environmental catalysis, catalyst deactivation and regeneration, fuel and petrochemical conversion and asymmetric synthesis.

He has published about 150 scientific papers in refereed journals, including **seven** papers on *Journal of Catalysis*, and more than 50 oral presentations at international conferences and wrote three books on catalysis and materials with others. He is editorial board members for *Catalysis Today*, *Catalysis Letters*, *Topic in Catalysis* and *Applied Catalysis A* and is Associate editor for *Research Letters in Physical chemistry*.

This is invited by Prof. Cao Hongbin, Welcome !

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