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Preface

The 3rd China-Japan Workshop on Environmental Catalysis and Eco-materials was held on 11–12 October 2007, Beijing, China. This Workshop was organized by Prof. Jiming Hao of Tsinghua University and Prof. Yasutake Teraoka of Kyushu University, and was sponsored by National Natural Science Foundation of China, Weifu Environmental Catalysts Co., Ltd., and Beijing Trend Aofu Fine Ceramics Co. The purpose of this workshop is to promote the discussion and communication among leading researchers working on environmental catalysis and environmental sciences for controlling air pollution and improving water quality and to contribute to the well understanding between environmental catalysis and environmental sciences. The following scientific topics, related to environmental catalysis and materials, were considered: exhaust gas purification, i.e. DeNO_x catalysis from mobile and stationary sources, catalytic oxidation of CO and VOC, photocatalysis, energy-related catalysis and environmental materials. Two plenary lectures by Prof. Jiming Hao (Tsinghua University, Beijing, China) and Prof. Masatake Haruta (Tokyo Metropolitan University, Tokyo, Japan), 27 oral presentations and 41 poster presentations were presented during the workshop. Prof. Hao presented the recent progress of research on selective catalytic reduction of NO_x with ammonia at low temperatures, and Prof. Haruta concluded and discussed the catalytically active states of gold. This special issue of Catalysis Today contains 24 papers, which were originally presented in the workshop as oral and poster presentations.

We appreciate the efforts of all authors and referees who helped to ensure the quality of this issue. We would also like to thank Prof. Julian Ross, the Editor of this journal, for his valuable advice and cooperation, and Elsevier for their efforts and cooperation in preparing this issue.

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