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Preface

This special issue of Catalysis Today deals with Multiphase Catalytic Reactor Engineering. It is comprised of a collection of selected papers presented as a part of the 16th Canadian Symposium on Catalysis (CSC) held in Banff, Alberta, Canada, on 23–26 May 2000. In addition to several poster presentations, three oral sessions were devoted to this important topic. It was the first time that the Organizing Committee of the CSC purposely introduced a strong Reactor Engineering component in the technical program. This was intended to provide a forum for catalytic reactor engineers and catalysis researchers to discuss insights and advances in reactor engineering and catalytic material design to the benefit of multiphase processes.

This issue is divided into two parts. Part I contains papers dealing with the fundamentals and applications of two-phase systems, such as gas–solid fixed and fluidized beds, bubble columns and membrane reactors. Part II is concerned with similar topics in three-phase

systems. These included trickle beds, ebullated and slurry reactors.

This issue would have not been materialized without the efforts of the contributing authors and the reviewers to ensure that all accepted papers meet the quality standards of Catalysis Today.

The CSC was attended by scientists from some 20 nations, many of whom expressed strong satisfaction regarding the scientific content and the organization of the meeting. The breathtaking splendor of the symposium site added to the success of the meeting.

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