



Preface

The Eighth International Conference on Fundamentals of Adsorption (FOA8) was held May 23–28, 2004 at Hilton Sedona Resort and Spa, Sedona, Arizona. There were 340 colleagues and friends from 38 different countries in Sedona, Arizona at FOA8. We hope everyone went home with excellent memories and new ideas to enhance adsorption science and technology. This conference was organized under auspices of International Adsorption Society (IAS).

Following the long established tradition of FOA conferences, we collectively delivered cutting-edge scientific and technical developments in the area of adsorption. The conference received about 390 abstracts. After evaluations by the scientific committee, more than 330 papers were presented at the conference. This archival proceedings volume contains 154 papers after peer review of full manuscripts submitted at the conference.

The *Keynote* papers were delivered by Profs. Katsumi Kaneko (Japan), Peter Monson (USA), and Jean Rouquerol (France). The *Industrial Perspectives* session was very well attended and included presentations by Drs. Jun Izumi (Mitsubishi Heavy Industries Ltd.), Christian Voss (Linde A.G.) and J.M. Occhialini (Air Products and Chemicals, Inc.). The conference exhibit included latest instruments from Quantachrome Inc., Micromeritics Inc., and from Insurface group.

Organization of a large international conference like FOA8 is only possible with the contribution of many individuals.

We thank Dr. Akiyoshi Sakoda (University of Tokyo, Tokyo, Japan) and Dr. Marco Mazzotti (Swiss Federal Institute of Technology, Zurich, Switzerland) for their help as Vice-Chairs from Asia and Europe in promoting, raising funds, organizing/helping attendees, and for their scientific input as contributors and reviewers.

We thank all members of the scientific committee who made this conference worthwhile to all. They reviewed the abstracts for presentations, chaired the sessions at the conference, and reviewed the papers in this volume.

On behalf of all conferees and the adsorption community in general, we gratefully acknowledge strong financial support from the sponsors of FOA8. The conference could not have happened without their help.

FOA8 organization has excelled by the endearing help of many individuals. Dr. Kent Knaebel and Pamela Knaebel were excellent representing IAS affairs before and at the conference. The people of our department at Cleveland State University, Dr. D.B. Shah, Becky Laird, Vichien Tangpanyapinit, Chandrashekar “Cintu” Pendyala, and Aadesh Harale, devoted many hours to the conference. We sincerely thank them for making FOA8 a great success.

FOA9 is being organized by Dr. Marco Mazzotti in Taormina, Sicily May 20–25, 2007. We are looking forward to see all in Taormina.

Orhan Talu and Sasidhar Gumma

October 15, 2004

Cleveland, Ohio