Preface

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Since the first conference in 1983, Fundamentals of Adsorption (FOA) conferences have been unique in their content and organization, covering recent advances in all aspects of adsorption from fundamental concepts to applications. The previous meetings were organized by researchers dedicated to the study of adsorption:

1983	Schloss Elmau, Germany	Alan L. Myers
1986	Santa Barbara, USA	Athanasios I. Liapis
1989	Sonthofen, Germany	Alfons Mersmann
1992	Kyoto, Japan	Motoyuki Suzuki
1995	Asilomar, USA	M. Douglas LeVan
1998	Giens, France	Fransis Meunier
2001	Nagasaki, Japan	Katsumi Kaneko
2004	Sedona, USA	Orhan Talu
2007	Sicily, Italy	Marco Mazzotti

The very special occasion of the 10th conference, FOA10, was celebrated May 23–28, 2010 in Awaji *Dream Stage* Conference Center in Hyogo, Japan, standing upon the proud history of this series of conferences—the largest and most important in the field of adsorption—that had come into being only because of the invaluable contributions of the above chairmen. The 10th meeting was even honored by the gracious presence of the founder, Professor Alan L. Myers.

Here some statistics are listed for the record:

Submitted abstracts = 483, Accepted presentations after review and withdrawals = 405.

Oral presentations = 163, Poster presentations = 242.

Attendees = 369 from 33 countries (Delegates = 327, Accompanying persons = 42).

Among the oral sessions, two of the supreme Keynote Lectures were given by Prof. Marco Mazzotti of ETH, Switzerland entitled “On the Equilibrium Theory of Chromatography,” and by Prof. Susumu Kitagawa of Kyoto University “Flexible Porous Coordination Polymers.” 31 of distinguished presentations were assigned and organized in seven of plenary sessions.

Many thanks are due to the two co-chairs, Prof. Peter Monson and Prof. Gino Baron, to the International Adsorption Society (IAS), and to the Scientific Committee. The cordial support offered by the Japan Society on Adsorption (JSAd) and by the Local Committees for financing and organization has been indispensable for a rather younger chairman in Japanese society, though not looking so, to be able to struggle along to the conference opening. The sponsorship provided by numerous companies, foundations, and academic and governmental organizations is indeed gratefully acknowledged. Lastly, I would like to take this opportunity to extend my sincere and deep appreciation to two of my younger colleagues, Dr. Hideki Tanaka and Dr. Satoshi Watanabe. Their work as secretariats, I hope the attendees may have noticed, was conducted with precision, accuracy, and tenacity (owing to which the chairman was able to divert his attention to the Awaji puppets, whirlpool cruise, Awa dance troop, and Geisha performance). The “Olympic Games in the field of Adsorption” thus successfully came to a great denouement with all the above support.

The February and October issues of *Adsorption* collect the manuscripts from the contributions presented at FOA10 that have been accepted after the peer-review process with the usual quality standards of the journal, whose figures are shown below:

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Submitted papers for special issue = 83, Accepted papers = 45.

The style of publication for FOA conferences had been independent proceedings without citation index until FOA7, which collected all the presentations in a meeting. To enhance the publication activity of the IAS, FOA8 published a bound copy, including all the presentations, as a supplemental issue of the journal, which was indexed as a part of issue of the journal. A different approach was tried in FOA9. The papers were treated as normal, journal-quality papers, with voluntary submissions of manuscripts to be collected in regular numbers in *Adsorption*, which were of course with citation index to enhance the authors' motivation for submission. FOA10 follows this style of the indexed articles in the issues of the journal with voluntary submissions, considering present circumstances of authors' publication activity and citation evaluations like impact factors. I sincerely hope you to enjoy the compilation of thus collected papers in FOA10.

The editing/reviewing process had not been accomplished without great support by the local guest editors for

the special issue: Drs. T. Iiyama (Shinshu Univ.), H. Kanoh (Chiba Univ.), A. Kodama (Kanazawa Univ.), R. Matsuda (ERATO), A. Matsumoto (Toyohashi Univ. Tech.), K. Morishige (Okayama Univ. Sci.), T. Okubo (Univ. Tokyo), S. Ozeki (Shinshu Univ.), A. Sakoda (Univ. Tokyo), K. Seki (Osaka Gas Chemical), Y. Teraoka (Kyushu Univ.), A. Yasutake (Mitsubishi Heavy Industry), to whom no words of mine would be sufficient to express my sincere thankfulness.

FOA11 will be organized by Prof. Peter Monson and will be held in Baltimore in May 2013. All the “athletes” in the field of adsorption look forward to seeing each other in the 11th “Olympic games” in the USA.

Minoru T. Miyahara

FOA10 Chairman and Guest Editor of the FOA10 Special Issue of *Adsorption*

Minoru T. Miyahara (in the middle of the first row of the FOA10 photo, next to whom is Prof. Alan L. Myers, the founder of FOA series conferences), born in 1959, married to Kimiko, with four children, has been professor of Chemical Engineering in Kyoto University, Japan since October 2004. He had worked for Sumitomo Chemical Company (1985–87), joined as an assistant professor (1987–97), and had been an associate professor (1997–2004) of the department. His research topics

are concerned with behaviors of interacting molecules/particles under external potential fields, which include: Adsorption-Induced Lattice Transition in Metal-Organic Frameworks; Molecular Simulation and Experimental Study on Phase Transition in Nanopores; Ordered Structure Formation by Nanoparticles within wetting films on substrates; Evolution of Monodispersed Nanoparticles by Microreactors. He is the current Vice-President of the IAS