

27th Conference of the Slovak Society of Chemical Engineering, May 22—26, 2000, Tatranské Matliare

In the year 2000, the traditional annual conference of the Slovak Society of Chemical Engineering was held in Tatranské Matliare in the eastern part of the High Tatras from May 22 to May 26. The facilities of the Hotel Hutník offered both the accommodation as well as conference rooms for 216 participants, from that 80 were from Slovakia, 90 from the Czech Republic and 56 represented other countries (Poland, the United Kingdom, Hungary, Romania, Switzerland, USA, and Yugoslavia).

The active participants presented 6 plenary lectures, 78 lectures, and 95 posters in nine sessions. The abstracts of conference contributions were published in the printed form and the submitted full-texts on CD-ROMs. The loans are available through the library of the Faculty of Chemical Technology (*Proceedings of the 27th International Conference of the Slovak Society of Chemical Engineering*, Tatranské Matliare, May 22—26, 2000 (Markoš, J. and Štefuca, V., Editors), Slovak University of Technology, Bratislava, 2000, ISBN 1 80-227-1350-3).

The contributions covered a broad spectrum of problems of chemical engineering. Two specific workshops, Membrane Processes and Gas-Liquid Reactors were included in the framework of the conference. The latter workshop was dedicated to the memory of the late Dr. *Jindřich Záhradník* from the Institute of Chemical Process Fundamentals who was a prominent scientist in the field of gas-liquid reactors and died several months before the conference. The topics of other sessions were as follows: bioengineering, reaction engineering, safety engineering, industrial equipment and processes, heat and mass transfer, ecology and separation processes.

The following plenary lectures were given during the conference:

D. Bobok and *E. Besedová* (Slovak University of Technology, Bratislava): Diffusional mass transfer in porous solids.

V. Hlaváček (State University of New York at Buffalo, Buffalo, USA): Reaction engineering problems of ultra-fast exothermic reactions.

Š. Schlosser (Slovak University of Technology, Bratislava): Membrane in separations and reactors – new achievements and trends.

J. Šefčík (Eidgenössische Technische Hochschule, Zürich, Switzerland) and *A. V. McCormick* (University of Minnesota, Minneapolis, USA): Kinetics of solution mediated crystal growth of zeolite.

A. Ozunu and *S. P. Agachi* (University “Babes-Bolyai”, Cluj-Napoca, Romania): Some aspects concerning the chemical engineering education at “Babes-Bolyai” University from Cluj-Napoca.

P. Krajník (Ciba Spezialitätenchemie, Basel, Switzerland): Experience gained with the plant design and technology transfer of specialty chemicals from Switzerland to Slovakia.

The sponsors of the conference were as traditionally Slovnaft and this time also Chemosvit that is located in the Tatras region. Their support enabled to reduce the registration fee of PhD. students. 62 PhD. students utilized this opportunity and contributed significantly to the quality of this conference in the environment of beautiful nature. The next, 28th Conference of SSChE will be held again in the premises of Hotel Hutník in Tatranské Matliare on May 21—25, 2001. Those, who would be interested to take part in the conference or to be informed about the future conferences, please contact Associate Professor Jozef Markoš, Department of Chemical and Biochemical Engineering, Slovak University of Technology, Radlinského 9, 812 37 Bratislava, Slovakia, e-mail: markos@cvt.stuba.sk, or visit www-page: <http://sschi.chtf.stuba.sk>.

For the second consecutive year, the selected conference contributions are published in *Chemical Papers*. After a single issue No. 6 of the Volume 53 in 1999 and several papers distributed throughout several issues of the Volume 54, this time, the proceedings are going to be published in a more compact form, in the issues 6a and 6b. This change is definitely beneficial to the participants as well as to the readers interested in the publications from the field of chemical engineering. Unfortunately, the contributions could not be grouped with respect to their topics but they were included in the individual issues in the order as they were accepted for publication. Both issues will contain 12 papers and the subsequent issue 6b will contain the following papers:

Marták, J. and *Schlosser, Š.*, L/L Equilibria of Dimethylcyclopropanecarboxylic Acid in Water—Solvent Systems with Trioctylamine as an Extractant

Vajda, M., *Schlosser, Š.*, and *Kováčová, K.*, Pertraction of Silver through Bulk Liquid Membranes

Wódzki, R. and *Szczepański, P.*, Coupled Membrane Processes and their Biomimetic Fundamentals

Mrafková, L., *Hutňan, M.*, and *Drtil, M.*, Behaviour of Anaerobic Baffled Reactor Treating Nonacidified Wastewater

Kierzkowska-Pawlak, H. and Zarzycki, R., Calorimetric Studies of CO₂ Absorption into Toluene/Water Emulsions

Trusek-Holownia, A. and Noworyta, A., Dipeptide Enzymatic Synthesis in a Two-Phase Membrane Reactor

Klein, J., Dolgoš, O., Godó, Š., Blažej, M., and Markoš, J., Application of a Magnetic Tracer Method for the Characterization of Hydrodynamics in Internal-Loop Airlift Bioreactors

Žajdlík, R., Markoš, J., Jelemenský, L., and Remiarová, B., Single Coal Char Particle Combustion in the Carbon Dioxide Atmosphere

Jelemenský, L., Markoš, J., Žajdlík, R., and Remiarová, B., Modelling of Nonlinear Behaviour during Combustion of Single Coal Char Particle

Bobok, D. and Besedová, E., Error in the Estimation of Effective Diffusion Coefficients from Sorption Measurements

Šoóš, M., Rajniak, P., and Žajdlík, R., Mathematical and Experimental Modelling of Sorption Processes in a Fixed Bed Adsorber

Bryjak, M., Gancarz, I., and Poźniak, G., Plasma-Modified Porous Membranes

I would like to announce to those interested specifically in these special issues that an issue of *Chemical Papers* is planned to be published also from the 28th Conference of SSChE again as the last issue of Volume 55.

Bratislava, November 30, 2000

M. Polakovič