

Olena Shyshchak

ADVANCE IN PETROLEUM AND GAS INDUSTRY AND PETROCHEMISTRY

*Lviv Polytechnic National University
12 Bandera str., 79013 Lviv, Ukraine*

© Shyshchak O., 2009

The Vth conference titled “Advance in Petroleum and Gas Industry and Petrochemistry” was held on June 9–12, 2009 in Lviv Polytechnic National University (Ukraine). This meeting was organized by Department of Chemistry and Technology of Petroleum (the Head of the Department – Prof. Michael Bratychak).

The conference was focused on the exchange of new results on petroleum products processing and usage, possibility of technological equipment improvement, especially for Ukrainian refineries and gas plants, assortment and quality of existing products.

Prof. Z. Pikh, vice-rector of Lviv Polytechnic National University and Prof. J. Yatchyshyn (Director of the Institute of Chemistry and Chemical Technologies, Lviv Polytechnic National University) took part in the opening ceremony of the conference.

As a part of the opening ceremony, the Academy of Petroleum and Natural Gas in Kyiv (UNGA) presented a diploma of Academician to Prof. Witold Brostow, Doctor Honoris Causa of Lviv Polytechnic National University, Regents Professor of Materials Science and Engineering and Professor of Physics; Director of Laboratory of Advanced Polymers & Optimized Materials (LAPOM) from University of North Texas, USA.

About 120 participants from 6 countries (Ukraine, Poland, Germany, USA, France, Slovakia) took part in this conference. Among them there were 23 professors, 32 doctors and 21 post-graduated students.

The program of the conference included 42 oral, 93 posters and 6 plenary presentations given by:

- Prof. Marat Glikin, Severodonetsk Technological Institute
- Prof. Arnold Karateev, Head of Department, Kharkiv Polytechnical Institute
- Prof. Oleh Suberlyak, Head of Department, Lviv Polytechnic National University
- Dr. Petro Topilnitsky, Lviv Polytechnic National University
- Bogdan Kochirko, Scientific-Research Institute MASMA, Kyiv

- Mykola Bilyk, Deputy Chairman of board-technical director, JSC “Kherson Oil Refinery”

Three sessions were included in the scientific program: “Oil and Gas Processing”, “Petrochemistry” and “Coal Chemistry”.

Problems of biodiesel fuel (Prof. K. Patrylyak, Institute of Bioorganic Chemistry and Petrochemistry, Ukraine), cavitation for hydrocarbon cracking (Yu. Berlizov, Head of New Technologies Department, JSC “Uglerod”, Ukraine), investigation results of vapours composition and afterpurification of wastes from bitumen plant (Prof. M. Kaminski, Gdansk Technical University, Poland), petroleum products certification (Prof. S. Boichenko, National Aviation University, Ukraine) and others were discussed during the first session.

The participants of the second session “Petrochemistry” discussed nanocomposites of poly(vinyl chloride) with carbon nano-tubes (Prof. G. Broza, Hamburg Technical University, Germany), brittleness of materials (Prof. W. Brostow, University of North Texas, USA), development of new biodegradable thermoplastic elastomers (Prof. M. Abadie, Montpellier University, France), separation of minor macromolecular admixtures from multicomponent polymer systems by advanced liquid chromatographic techniques (Prof. D. Berek, Polymers Institute, Slovakia), obtaining of epoxy oligomers on the basis of monomers (Prof. M. Bratychak, Lviv Polytechnic National University, Ukraine).

The presentations of the session “Coal Chemistry” were devoted to the problems of coke gasification (Prof. V. Gulyaev, vice-rector Dniprodzerginsk State University, Ukraine), kinetics of coke gasification (Prof. A. Starovoit, Director JSC “Ukrkoks”, Ukraine), behaviour of sulphuric coals in the high-caking charge (R. Makovsky, Severodonetsk Technological Institute, Ukraine).

Representatives of 6 Ukrainian great industrial enterprises (Kherson, Droghobych, Berdyansk, Nadvirna, Alchevsk and Avdiivka) took part in the conference’s work. They represented the results of new technologies implementation, achievements in the production of new

Shyschak O.

products and routes of cooperation between scientific-research institutes and the industry.

Three poster sessions included about 90 posters which discussed some particular tasks in the field of petroleum and gas refining as well as petrochemistry and coal industry.

The Conference has awarded Young Investigator Prizes to graduate students and recent doctoral degree recipients. The Prize Committee was chaired by Prof. Witold Brostow (University of North Texas, USA).

The next VIth conference will be held in 2012.