

## Editorial

The eleventh edition of the International Conference on Crystal Chemistry of Intermetallic Compounds was held in Lviv on May 30 - June 2, 2010. It offered an opportunity for scientists from different countries to present and discuss recent results of research on intermetallic and related compounds, share scientific information, and expand collaborations. Hot topics of the year were Fe-based superconductors and energy-storage materials, but the contributions also showed on-going activity in many other fields, illustrated by the presentation of numerous new crystal structures, phase diagrams, thermodynamic, electrical, and magnetic properties of materials of practical and theoretical interest.

181 scientists representing leading research centers in 16 countries: Austria, Azerbaijan, Belarus, France, Germany, Italy, Japan, Poland, Portugal, Russian Federation, USA, Tajikistan, Tunisia, Sweden, Switzerland, and Ukraine, participated in the conference. Ukraine was represented by scientists from the Universities of Lviv, Kyiv, Chernivtsi, Uzhgorod, and Volyn, Lviv Polytechnic National University, the National Technical University of Ukraine "KPI", the Ukrainian National University of Forest and Wood Technology, Donbass State Engineering Academy, and by various institutes of the National Academy of Sciences of Ukraine, among which the Institute of General and Inorganic Chemistry, the Institute for Metal Physics, the Institute for Problems of Materials Science, the Physico-Mechanical Institute, and the Physico-Chemical Institute.

The program of the conference included sixteen plenary lectures given by top researchers from all over

the world: Prof. Yuri Grin (Germany), Dr. Enrico Giannini (Switzerland), Prof. Helmut Ehrenberg (Germany), Prof. Dirk Johrendt (Germany), Prof. Dariusz Kaczorowski (Poland), Prof. Sven Lidin (Sweden), Prof. Herwig Michor (Austria), Prof. Vitalij K. Pecharsky (USA), Prof. Adriana Saccone (Italy), Prof. Wojciech Suski (Poland), Prof. Daniel Fruchart (France), Prof. Bernard Chevalier (France), Prof. Andrzej Szytuła (Poland), and Prof. Martin Jansen (Germany). 19 oral and 111 poster presentations, divided into conference sessions on phase diagrams, crystal structures, physical properties, and crystal chemical peculiarities offered the starting point for scientific discussions.

The organizing committee would like to take the opportunity to thank the Ministry of Ukraine for Education and Science, Ivan Franko National University of Lviv, the National Academy of Sciences of Ukraine, and the Ukrainian Crystallographic Committee for their patronage, and the International Center for Diffraction Data (ICDD), USA, for financial support. The organization and holding of the conference would further not have been possible without the collaboration of the scientists, postgraduate and undergraduate students of the Department of Inorganic Chemistry of the Ivan Franko National University of Lviv who helped before and during the conference.

The proceedings of the XI International Conference on Crystal Chemistry of Intermetallic Compounds are included in this issue of CHEMISTRY OF METALS AND ALLOYS.

Roman GLADYSHEVSKII

