

Preface

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11th Conference on Solid State Chemistry (SSC 2014)

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The IUPAC sponsored 11th Solid State Chemistry Conference (SSC 2014) was held on 6–11 July 2014 in Trenčianske Teplice, in Slovakia. SSC 2014 is a part of the series of conferences on solid state and materials chemistry with the scope and themes of special significance and challenge at present time interlinking research, development and technology. The conferences are held biannually alternately in Slovakia and Czech Republic. The topics of SSC 2014 included: Chemical and physical aspects, Electric and magnetic aspects, Applications of inorganic and organometallic materials, Spectroscopic, diffraction and structural aspects, Thermochemical, thermodynamic and kinetic aspects and Computation and theoretical aspects.

The SSC 2014 conference enabled the mutual exchange of knowledge and ideas of participants directly in the lecture's and poster's sessions at the variety of informal discussions during the 6 days of the conference. A total of 155 scientists from 26 countries around the world shared six plenary lectures, 11 key-note lectures, 53 lectures and 99 posters. In addition, Prof. Javier Garcia Martinez – a member of the IUPAC Bureau, gave a vital presentation on IUPAC. The outcome, with the input of the broader audience, represents the content of this Special Issue of *Pure and Applied Chemistry*. The readers will find here i) seven papers on the themes of plenary and key-note lectures and ii) two papers of young awardees of IUPAC poster prize. A further paper from one of the young awardees will be published in a forthcoming issue of the journal. The personalities and scientific feedback of lecturers, quality and subjects of invited and key-note lectures together with the enthusiasm of young IUPAC Poster Prize awardees guarantee that the content of the issue of *Pure and Applied Chemistry* will give a representative profile not only of SSC 2014 but also of the challenging fields of solid state and materials chemistry.

The present issue is the third in the Conference series “Solid State Chemistry,” the earlier issues – 5th Conference on Solid State Chemistry (SSC 2002), Bratislava, Slovakia, 7–12 July 2002 and 8th Conference on Solid State Chemistry (SSC 2008), Bratislava, Slovakia, 6–11 July 2008 can be found in *Pure and Applied Chemistry* 2002, Vol. 74, Issue 11, pp. 2083–2168 and 2009, Vol. 81, Issue 8, pp. 1345–1534.

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