

FOREWORD

The Conference papers, which are published in this issue of *Croatica Chemica Acta*, are based on the plenary lectures presented at the Sixteenth Croatian-Slovenian Crystallographic Meeting. These Meetings have been organized annually since 1992 according to the agreement between the Croatian Crystallographic Association and the Slovenian Crystallographic Society. When the Meeting is held in Slovenia the conference papers are published in *Acta Chimica Slovenica*, and when the Meeting is held in Croatia the papers appear in *Croatica Chemica Acta*.

The following Croatian-Slovenian / Slovenian-Croatian Crystallographic Meetings (CSCM/SCCM) have been organised so far:

1st SCCM, 1992, *Otočec*, Slovenia, on the banks of the beautiful and clear Krka river, flowing close to an old medieval burgh;

2nd CSCM, 1993, *Stubičke Toplice*, Croatia, in the picturesque and green Croatian Zagorje;

3rd SCCM, 1994, *Kranjska Gora*, Slovenia, at the foot of the skyscraping Julian Alps;

4th CSCM, 1995, *Trakošćan*, Croatia, again in the Croatian Zagorje, near a romantic medieval castle, now a museum of fine arts;

5th SCCM, 1996, *Zreče*, Slovenia, at the foot of the monumental Pohorje Mountain;

6th CSCM, 1997, *Umag*, Croatia, on the west Istrian, Adriatic, coast;

7th SCCM, 1998, *Radenci Spa*, Slovenia, in a green picturesque north-east and wine-rich part of Slovenia;

8th CSCM, 1999, the *Red Island*, Croatia, off-shore of the town of *Rovinj*, the west Istrian coast, isolated from civilization;

9th SCCM, 2000, *Gozd Martuljek*, Slovenia, close to the very heart of the Julian Alps;

10th CSCM, 2001, *Lovran*, Croatia, on the east Istrian coast, near Opatija and at the foot of the powerful Učka Mountain;

11th SCCM, 2002, *Bohinj*, (hotel Jezero, *the hotel Lake*), Slovenia, in the heart of the famous Triglav National Park;

12th CSCM, 2003, *National Park Plitvice Lakes* (hotel Jezero, *the hotel Lake*), Croatia, UNESCO protected natural world heritage;

13th SCCM, 2004, *Bovec*, Slovenia, at the bank of the unique Soča river, flowing among the Alps;

14th CSCM, 2005, *Vrsar*, Croatia, halfway between Poreč and Rovinj, the famous tourist resorts in Istria;

15th SCCM, 2006, *Jezersko*, Slovenia, an important climatic resort, in between two mountain ranges, the Karavanke and Kamnik-Savinja Alps;

16th CSCM, 2007, *Petrčane*, Croatia, between Zadar and Nin, famous historic places, full of antique Roman and middle age Croatian monuments.

The announcements and reports on these Meetings appear regularly in the International Union of Crystallography Newsletter.

The plenary lectures during the 15th SCCM were presented by William L. Duax (the former President of the International Union of Crystallography; Hauptman-Woodward Institute, Buffalo, NY, USA), Robert E. Dinnebier (Max Planck Institute for Solid State Research, Stuttgart, Germany), Marija Kosec (Jožef Stefan Institute, Ljubljana), and Goran Štefanić (Ruđer Bošković Institute, Zagreb). In addition, 44 scientific communications were presented orally by crystallographers from Slovenia, Croatia and eight other countries.

During the 16th Croatian-Slovenian Crystallographic Meeting, Petrčane, June 13–16, 2007, the following plenary lectures were presented:

Carmelo Giacovazzo (former President of the European Crystallographic Association; CNR-Istituto di Cristallografia, Bari, Italy), *New Features in EXPO2007, a Program for Crystal Structure Resolution from Powder Data*;

Radomir Kužel (Department of Condensed Matter Physics, Charles University, Prague, Czech Republic), *Structural Studies of Submicrocrystalline Materials Obtained by Severe Plastic Deformation*;

Nenad Tomašić (Department of Mineralogy and Petrography, Faculty of Science, University of Zagreb, Zagreb, Croatia), *Metamict Minerals: Insight into Relic Crystal Structure Using XRD, Raman Spectroscopy, SAED and HRTEM*;

Bojan Kozlevčar (Faculty of Chemistry and Chemical Technology, University of Ljubljana, Ljubljana, Slovenia), *Structural Analysis of Copper(II) Coordination Compounds and Correlation with their Magnetic Properties*.

Karl. F. Fischer (Technical Physics, University of Saarbruecken, Germany), *A Concept for Crystal Structure Determination without Fourier Inversion: Some Steps Towards Application*.

Also, 62 oral contributions were presented by participants from Croatia, Slovenia and ten other countries, covering various topics of modern crystallography, such as macromolecules, organic, organometallic and inorganic crystal structures, microstructure, minerals, metals and alloys, solid solutions, structure-properties relationship, theoretical and experimental techniques such as powder diffraction, SAXS *etc.* Twenty five active participants from other countries indicate that these meetings are increasingly becoming important regional gatherings of crystallographers. I would like to thank all participants for their contributions and for a friendly atmosphere during the Meeting.

The present issue of *Croatica Chemica Acta* includes four plenary lectures. Unfortunately, Professor Ra-

domir Kužel was not able (due to illness) to submit his paper.

I take the opportunity in this Foreword to express my sincere gratitude to Professor Emeritus Boris Kamenar, the Full member of the Croatian Academy of Sciences and Arts, who was the President of the Croatian Crystallographic Association from its foundation, in 1992, until 2006. During his whole scientific career, Professor Kamenar has undertaken great efforts in promotion of crystallography, not only in Croatia, in strengthening ties among crystallographers at the European and international level, and in education of young fellow crystallographers, who continue with the enthusiasm in the same way. We are very happy that Professor Kamenar continues to be very much interested in the development of crystallography, that he is always by our side and that we may ask him for advice.

My sincere thanks to the Editorial Board of *Croatica Chemica Acta* for providing the space to publish plenary lectures presented during the 16th CSCM.

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