

## FOREWORD

The MATH/CHEM/COMP 2007 Dubrovnik International Course & Conference (MCC 2007) on the Interfaces among Mathematics, Chemistry and Computer Sciences was held from June 11–16, 2007, in Dubrovnik, Croatia, under the joint auspices of the Inter-University Centre, Dubrovnik, Ruđer Bošković Institute, Zagreb, Universities of Zagreb & Split, International Society for Mathematical Chemistry, and International Society for Theoretical Chemical Physics. MCC 2007 was the twenty-second in a series of annual meetings we started in 1986, and it attracted 100 participants from 20 countries, a large number of them being students and young researchers.

The MCC meetings are traditionally oriented to discussions about the interplay among mathematics, chemistry and computer sciences, and this continues. However, to keep pace with “hot” subjects and practical needs, we incorporate into our meetings special sessions that vary from year to year and at the MCC 2007 they covered the *Theory of Chemical Bonding, Macromolecules of Biological Interest, Benzenoids and Related Systems, QSAR, Chemistry and Spectroscopy, Fullerenes and Nanotubes, Graph Theory in Chemistry, and Mathematics with Applications*. Having in mind the student population and novices in the field, Subhash C. Basak, Istvan Simon and Ivan Gutman delivered *Courses on Chemodescriptors and Biodescriptors, Bioinformatics of Intrinsically Unstructured Proteins, and Chemical Graph Theory*, respectively. The *Workshop on QSAR, ADMET and Statistics* was organized by Darko Butina.

Organization and running of the MCC meetings would not be possible without continuous support of scientists from all over the world. A bunch of them have participated and lectured there from the very beginning in 1986. One of them was our dear colleague and friend from Budapest, *Dr. István Lukovits*. He was invited to deliver a keynote lecture at the MCC 2007 when on March 12, 2007, tragic news struck us that he had passed away. The MCC 2007 and these *Proceedings* are dedicated to the memory of this fine scientist, promoter of Hungarian-Croatian cooperation in mathematical and quantum chemistry, and frequent contributor and referee for *Croatica Chemica*

*Acta*. A note on István’s life and achievements, written by the Academician Nenad Trinajstić, was published in *Croat. Chem. Acta*, Vol. 80, No. 2 (2007) A27. A special issue of Hungarian chemical journal *Magyar Kémiai Folyóirat* dedicated to Dr. Lukovits will appear at the end of this year.

The previous Vol. 80, No. 2 (2007) issue of *Croat. Chem. Acta* was dedicated to *Professor Haruo Hosoya* to celebrate his 70th birthday. The response of scientists willing to contribute was so great that the remaining papers dedicated to Professor Hosoya are printed in this issue. That dedicating two issues to Professor Hosoya was a very proper and wise move of *Croat. Chem. Acta* was even more justified when in the meantime we have learned that his *September 1971 paper* was proclaimed by the world known *Bulletin of the Chemical Society of Japan* as its second most cited paper. This seminal and so far a *classic* of theoretical chemistry papers marked the opening of a new discipline-chemical graph theory, which is traditionally present and discussed at the MCC Courses & Conferences. Haruo’s related letter to *Croat. Chem. Acta* is given on the following page.

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