

50 years of the ICCBIC

The international conferences on coordination chemistry organized by the Slovak Chemical Society, Slovak Technical University and Comenius University in Bratislava, the capital of Slovakia, are held biannually as a rule at the beginning of June. They are the only scientific events in the field of coordination chemistry which are held regularly every two years at the same place (Smolenice Castle). In order to keep the tradition, from the very beginning the Conferences were focused on up-to-date problems of coordination, inorganic and bioinorganic chemistry. They have never been specialized on particular fields or techniques, nevertheless, each of the four working days of the Conferences was devoted to a main topic which was covered by plenary and section lectures, and sometimes by posters as well.

The Conferences have their characteristic atmosphere. The Castle itself and the surrounding nature create preconditions for fruitful discussions based on well and in advance prepared conference materials. Those are the Proceedings of the Conferences (abstracts only) and since 1993 a monograph – a book/CD/USB-key containing reviewed and selected papers of the participants in full extent. The monograph series are internationally recognized and registered. Social programs of the Conferences at Smolenice helped to strengthen the friendship between participants and give them possibility to learn more about Slovakia, its folk and customs. For those who are interested in the Conferences at Smolenice, below some details about all Conferences are given.

1st Conference on Coordination Chemistry – 1964 (Symposium on the Structure and Properties of Coordination Compounds)

The Conferences on Coordination Chemistry held regularly in Smolenice Castle started in fact by Symposium on the Structure and Properties of Coordination Compounds (with foreign participation) that was held in the new building of the Slovak Technical University in Bratislava (Gottwald square 2) and in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle) on September 2 – 4, 1964 in connection with the 8th International Conference on Coordination Chemistry (ICCC) in Vienna (Sept., 7 – 11). This symposium is considered as the 1st Conference on Coordination Chemistry held in Bratislava and Smolenice Castle. The Symposium was organized by the Czechoslovak Chemical Society – Slovak Division in Bratislava, Institute of Inorganic Chemistry of the Slovak Academy of Sciences, Bratislava, Department of Inorganic Chemistry of the Slovak Technical University, Bratislava and J. Heyrovský Institute of Polarography of the Czechoslovak Academy of Sciences, Prague.

The symposium was attended approximately by 180 scientists and research workers from 18 countries: Australia 1, Austria 2, Czechoslovakia 100, Denmark 2, England 6, German Democratic Republic 15, German Federal Republic 10, Hungary 10, Ireland 1, Italy 2, New Zealand 1, Poland 7, Romania 6, USSR 4, Sweden 1, Switzerland 1, USA 9, Yugoslavia 1.

The role of Symposium in Bratislava was to complement scientific program of 8th ICCC in Vienna, namely in the field of the structure and properties of some coordination compounds. The program of the symposium was divided into three sections:

- i/ Crystallochemistry of coordination compounds
- ii/ Structure of coordination compounds
- iii/ Theory and chemistry of coordination compounds.

Three plenary lectures and 76 section lectures were delivered at the Symposium. Plenary lectures were delivered by

J. C. Bailar, Jr. (USA): The Walden Inversion in the Reactions of Cobalt Complexes,
R. S Nyholm (England): Advances in Complex Chemistry of the Early Transition Elements,
M. A. Poraj-Košic (USSR): Some New X-Ray Structural Investigations of Complex Compounds. Among lecturers were well known scientist in the field of the coordination chemistry from all over the world. From among many others, we can name such section lecturers as *V. Gutmann* (Austria), *J. Bjerrum* (Denmark), *C. Schäffer* (Denmark), *R. Taube*, *E Uhlig* (GDR), *E. O. Fischer* (GFR), *M. Tobe*, *M. A. Bennett* (England), *D. A. Brown* (Ireland), *B. Jezowska-Trzebiatowska*, *A. Swinarski* (Poland), *G. Schwarzenbach* (Switzerland), *S. Kirschner*, *A. D. Liehr* (USA), *I. B. Bersuker*, *B. J. Peshchevitskii* (USSR), *M. B. Celap* (Yugoslavia) were presented.

Fifty-three abstracts of the contributions are published in Bulletin of the Symposium on the Structure and Properties of Coordination Compounds, Bratislava September 2 – 4, 1964 (editor M. Zikmund, Edition of Chemical Literature, Institute of Inorganic Chemistry of the Slovak Academy of Sciences, Bratislava, 1964, 83 pp.).

The merits of Professor *Ján Gažo*, who passed away in 1983 should be mentioned here since he was the initiator of the international conferences on coordination chemistry in Slovakia. J. Gažo started his investigation of coordination compounds at the Department of Inorganic Chemistry, Slovak Technical University before year 1956, when he published two works in the journal *Chemical zvesti* on the formation and properties of chlorocopper(II) complexes in acetone. Subsequently, he became a pioneer and founder of the institutional research of coordination compounds not only at Slovak Technical University but also in Slovakia. His effort to get Slovak coordination chemistry closer to world trends led him to his “diplomatic offensive” to organize with colleagues from chemical societies and academies of sciences, especially from Slovakia, Symposium on the Structure and Properties of Coordination Compounds on Sept. 2 – 4, 1964 in connection with the 8th ICCS in Vienna (Sept. 7 – 11, 1964). In the next period, Ján Gažo organized Conferences on Coordination Chemistry with international participation regularly held in Slovakia. The 2nd Conference on Coordination Chemistry was held on December 1 – 5, 1969 in Smolenice Castle.

(See also article (including photos), Zikmund, M.: Sympóziium o štruktúre a vlastnostiach koordinačných zlúčenín v Bratislave. *Chem. zvesti* 19, 243–248 (1965) and International Conferences on Coordination Chemistry at Smolenice (Edited by Organizing Committee in Proceedings of the 10th Conference on Coordination Chemistry, June 4 – 7, 1985, 13 pp.).

2nd Conference on Coordination Chemistry – 1969

The 2nd Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on December 1 – 5, 1969 at Smolenice in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: J. Gažo.

The conference was attended by 80 participants from 11 countries: Austria 3, Bulgaria 1, Czechoslovakia 45, Denmark 3, German Democratic Republic 1, Hungary 2, Italy 6, Poland 11, USSR 4, Switzerland 2, Yugoslavia 2.

The professional contents of the Conference were before all the problems of the relation of structure, properties and reactivity of the coordination compounds.

Eleven plenary lectures and 45 section lectures were presented at the conference.

The plenary lectures were presented by *B. Ježowska-Trzebiatowska* (Poland): Structure and bonding of beta-diketone complexes.

L. Catalini (Italy): Some aspects of ligand substitutions at planar transition metal complexes.

U. Belluco (Italy): Platinum – olefin complexes.

A. V. Ablov (USSR): Binuclear copper compounds.
 C. Furlani and T. Tarantelli (Italy): Some developments of the coordination chemistry of thioureas and related ligands.
 E. M. Šustorovič (USSR): Fixation of molecular oxygen and nitrogen by complex compounds.
 V. Gutmann (Austria): Solute-solvent interactions.
 A. A. Vlček (Czechoslovakia): Redox interactions of coordination compounds.
 M. A. Poraj-Košic (USSR): Crystal chemistry of lanthanide complexes.
 C. Schäffer (Denmark): The angular overlap model of the ligand field.
 J. Klikorka, I. Pavlík, H. Windemannová and K. Handlíř (Czechoslovakia): Reactions of the ferrocene and its derivatives with some inorganic acceptors.
 Some section lecturers from abroad: P. R. Bontchev (Bulgaria), S. E. Rasmussen (Denmark), D. Tille (GDR), M. T. Beck, K. Burger (Hungary), C. Panattoni (Italy), A. Samotus, Z. Stasicka (Poland), J. J. Daly, G. Geier (Switzerland), Yu. N. Kukushkin (USSR), M. B. Celap (Yugoslavia).
 Fifty-one papers are published in the *Proceedings of the 2nd Conference on Coordination Chemistry* 1969, 301 pp.
 (See also Jóna, E: IInd Conference on Coordination Chemistry in Smolenice. *Chem. zvesti* 23, 946–948 (1969)).

3rd Conference on Coordination Chemistry – 1971

The 3rd Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on December 6 – 10, 1971 at Smolenice in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: J. Gažo.

The conference was attended by 72 participants from 11 countries: Austria 1, Bulgaria 1, Czechoslovakia 36, Denmark 2, German Democratic Republic 4, Hungary 6, Italy 1, Poland 15, USSR 4, USA 1, Yugoslavia 1.

During the conference 10 plenary lectures and 48 communications in sections were presented.

The plenary lectures were presented by

M. T. Beck (Hungary): Kinetics and catalysis of chromium(III) complex formation.

J. Bjerrum (Denmark): On bridged thiocyanate complex formation.

V. Gutmann (Austria): The role of coordination chemistry in a unified approach to chemical interactions.

K. B. Jacimirskij (USSR): The application of graph method to coordination chemistry.

L. Kolditz (German Democratic Republic): On fluorine-oxygen complexes.

E. C. Lingafelter (USA): Structure of some complexes of some polyamine ligands.

G. Sartori (Italy): Luminiscence of coordination compounds.

E. M. Šustorovič (USSR): On the mutual influence of ligands in complexes containing multiple bonds metal-ligand.

M. E. Volpin (USSR): Reactions of carbon dioxide with complexes of transition metals.

I. A. Zacharova (USSR): Application of X-ray spectroscopy to coordination compounds.

Among those who attended the 3rd Conference on Coordination Chemistry can be mentioned:

F. Woldbye (Denmark), E. Hoyer (GDR), K. Burger, G. Liptay (Hungary), U. Belluco (Italy), A. Bartecki, R. Grobelny, B. Jezowska-Trzebiatowska, A. Samotus, Z. Stasicka (Poland), M. B. Celap (Yugoslavia).

Sixty papers are published in the *Proceedings of the IIIrd Conference on Coordination Chemistry* (Edited by Organizing Committee, 1971, 385 pp).

An exceptional event of the conference was the ceremonial bestowal of the honorary degree Doctor of Chemical Sciences and of the silver medal of the Slovak Technical University to Professor B. Jezowska-Trzebiatowska, the head of the Institute of Chemistry at the University of

Wroclaw (Poland). This act was a manifestation of the friendly relations and contacts between Slovak and Polish coordination chemists as well as a culmination of a period in the history of very productive cooperation extending over many years between the Slovak Technical University and the University in Wroclaw.

(See also Sirota, A., Jóna, E: The IIIrd Conference on Coordination Chemistry in Smolenice. *Chem. zvesti* 26, 478–479 (1972).

4th Conference on Coordination Chemistry – 1973

The 4th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on December 13 – 18, 1973 at Smolenice in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: J. Gažo.

The conference was at the same time the *Second Seminar on Crystallochemistry of Coordination and Organometallic Compounds*.

The conference was attended by 57 participants from 7 countries: Czechoslovakia 20, German Democratic Republic 5, Hungary 3, Poland 3, USSR 22, USA 1, Yugoslavia 3.

Twenty-nine plenary lectures were focused to topical problems of the structure of coordination and organometallic compounds, for example:

Distortion isomerism of copper(II) compounds (*J. Gažo*, Czechoslovakia).

Stereochemistry of some transitional metals carboxylates (*M. A. Porai-Koshits*, USSR).

Crystal structures of some organometallic complexes of tin and mercury (*N. G. Bokii*, USSR).

X-ray electron-spectroscopic investigation of transition metal complexes (*V. I. Nefedov*, USSR).

The latest achievements in the structural chemistry of organometallic compounds (*J. T. Struchkov*, USSR).

Stereochemistry of metallocycles and intermolecular interactions in crystals of inner-complex compounds of copper and nickel. (*P. M. Zorkii*, USSR).

Crystal structure of binuclear transition metal complexes with oxygen bridge (*B. Jezowska-Trzebiatowska*, Poland).

Structural manifestations of Jahn-Teller effect (*I. B. Bersuker*, USSR).

Twenty-nine papers are published in the *Proceedings of the 4th Conference on Coordination Chemistry*, 1973, 177 pp.

5th Conference on Coordination Chemistry – 1974

The 5th Conference on Coordination Chemistry organized by Slovak Chemical Society, Slovak Technical University, Slovak Academy of Sciences in Bratislava, and Heyrovsky Institute of Physical Chemistry and Electrochemistry in Prague was held on June 24 – 28, 1974, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: J. Gažo.

Eighty participants from 8 countries presented their papers, from: Austria 1, Czechoslovakia 49, GDR 4, GFR 3, Hungary 7, Poland 11, USSR 4, Yugoslavia 1.

In order to save time for discussion the Organizing Committee decided to allow the spoken presentation in full extent of only a few papers at the plenary sessions. The rest of papers was supposed to be discussed in sections. From fifty-eight active participants, 49 participants were able to deliver in time their papers for publication in the proceedings.

Twelve plenary lectures (40 min) were presented:

Influence of π -acceptor properties of ligands on acid-basic and redox properties of platinum complexes (*Yu. N. Kukushkin*, USSR).

Elementenkomplexe als Katalysatoren der stereospezifischen Dienpolymerisation (*E. Uhlig*, GDR).

Coordination compounds of molybdenum(V) in aqueous solutions (*I. N. Marov*, USSR).

On the applicability of the coordination model to aqueous solutions (*W. Libus*, Poland).

Zur Komplekkatalysierten Olefinmetathese (*R. Taube*, GDR).

Catalytic oxidation of gas molecules (*B. Jeżowska-Trzebiatowska*, Poland).

Infrared studies of acid-basic properties of decationized NaHY synthetic zeolites (*A. Bielański*, Poland).

Solvent effects on the thermodynamics and kinetics of substitution reactions (*V. Gutman*, Austria).

The use of high pressure in the elucidation of reaction mechanism of coordination compounds in solution (*H. Kelm*, GFR).

Inertness revisited (*M. T. Beck*, Hungary).

On some problems of complex formation of polymers as ligands (*S. L. Davydova*, USSR).

Reactions and coordination chemistry of unsaturated 1,1- and 1,2-sulfur and selenium donor atom ligands (*E Hoyer*, GDR).

Some section lecturers: *L. Kolditz* (GDR), *K. Burger* (Hungary), *A. Samotus*, *Z. Stasicka*, *J. J. Ziolkowski* (Poland), *M. B. Čelap* (Yugoslavia), *J. Krätzmár-Šmogrovič*, *J. Gažo* (Czechoslovakia).

Forty-nine papers are published in the *Proceedings of the 5th Conference on Coordination Chemistry* (Edited by Organizing Committee, 1974, 294 pp.).

6th Conference on Coordination Chemistry – 1976

The 6th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on September 14 – 17, 1976, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: J. Gažo.

Seventy-five participants from 12 countries: Austria 1, Czechoslovakia 42, Denmark 1, GDR 6, Hungary 3, Italy 3, Japan 1, Poland 9, Sweden 2, USA 1, USSR 4, Yugoslavia 2.

Ten plenary lectures (40 min) were presented:

The application of preferential solvent extraction for the resolution of a racemic inner complex (*S. Kirschner*, USA).

New aspects of the stereochemistry of Cu(II) complexes (*J. Gažo*, Czechoslovakia).

A mechanism for redox substitutions and related reactions in Pt(IV)/Pt(II)-systems (*L. I. Elding*, Sweden).

Solid state and interface coordination chemistry (*V. Gutman*, Austria).

On activation of hexafluorosilicates for exchange reactions in solid state (*L. Kolditz*, GDR).

Structure and bonding in 3d metal complexes of tripod ligands (*L. Sacconi*, Italy).

Stereochemistry of Co(III) complexes containing optically active aminoalcohols (*K. Saito*, Japan).

Progress in chemistry of σ -organyl transition metal compounds (*R. Taube*, GDR).

Coordination polymers containing dimeric fragments – new type of compounds with normal magnetism (*Yu. V. Yablokov*, USSR)

Steric and electronic influences on the structure of nickel(II) and copper(II) complexes (*E. Uhlig*, GDR).

Shorter plenary lectures were presented by: *V. Zelentsov* (USSR), *A. A. Fotiev* (USSR), *A. Samotus* (Poland), *A. Vlček* (Czechoslovakia), *Z. Stasicka* (Poland), *J. Ziolkowski* (Poland), *E. N. Yurchenko* (USSR), *E. Hoyer* (GDR).

A number of well known coordination chemists presented their scientific results at the conference: *K. Burger* (Hungary), *M. B. Čelap* (Yugoslavia), *F. Dietze* (GDR), *Ya. A. Dorfman* (USSR), *L. I. Elding* (Sweden), *L. Kolditz* (GDR), *B. J. Krätzmár-Šmogrovič* and *J. Gažo* (Czechoslovakia), *J. Nagy* (Hungary), *O. Traverso* (Italy), and

Fifty-five papers are published in the *Proceedings of the 6th Conference on Coordination Chemistry* (Edited by Organizing Committee, Slovak Technical University Press, 1976, 322 pp.). ES SVŠT-374/76.

7th Conference on Coordination Chemistry – 1978

The 7th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on September 11 – 14, 1978, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: *J. Gažo*.

Eighty-six participants from 9 countries: Czechoslovakia 52, German Democratic Republic 4, Hungary 1, India 1, Italy 6, Poland 7, USA 1, USSR 11, Yugoslavia 3.

Fourteen plenary lectures (40 min) were presented:

Polynuclear 3d metal complexes with tertiary phosphines (*L. Sacconi*, Italy).

Structure and reactivity of organocobalt(IV) chelates (*M. E. Volpin*, USSR).

The dynamic stereochemistry of eight-coordinate inert metal chelates; nonrigid or rigid? (*R. D. Archer*, USA).

Dynamics of Jahn-Teller centres and the structure of crystals (*Yu. V. Yablokov*, USSR).

Investigation of the structure of lanthanide chloride by ultrasonic measurements for low concentration solutions (*B. Jeżowska-Trzebiatowska*, Poland).

Metal coordination in metal substituted carbonic anhydrates (*I. Bertini*, Italy).

Bioligands and complex formation with metal ions (*L. S. Davydova*, USSR).

Coordination at catalyst-surfaces and mechanism of heterogeneous halogene exchange (*L. Kolditz*, GDR).

The Jahn-Teller effect and vibronic influence on structure and reactivity of coordination compounds (*I. B. Bersuker*, USSR).

Mechanism of ligand substitution reactions of complexes of Co(III), Cr(III) and Rh(III) (*D. Banerjee*, India).

Ultraviolet photoelectron spectroscopy in the study of electronic structure of coordination compounds (*C. Furlani*, Italy).

Inhibition of biological systems by platinum and palladium complexes (*I. A. Zakharova*, USSR).

Structure and reactivity correlations of transition metal complexes in homogeneous catalysis (*J. Ziolkowski*, Poland).

Coordination of vanadium in solid oxides and its influence on the compounds properties (*A. A. Fotiev*, USSR).

Influence parameters – a quantitative characteristic on the ligand capacity to influence other bonds in compounds (*V. I. Nefedov*, USSR).

Fifty-five papers are published in the *Proceedings of the 7th Conference on Coordination Chemistry* (Edited by Organizing Committee, Slovak Technical University Press, 1978, 311 pp.). ES SVŠT-475/78.

8th Conference on Coordination Chemistry – 1980

The 8th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on December 8 – 11, 1980, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: J. Gažo.

The conference was attended by 80 participants from 9 countries: Czechoslovakia 55, German Democratic Republic 4, German Federal Republic 1, Hungary 5, Italy 2, Poland 9, Switzerland 1, USSR 2, Yugoslavia 1.

Due to the increasing number of contributed papers it was no more possible to introduce and discuss all papers in the section sessions. And thus, for the first time, poster sessions were involved into the program of the conference.

Nine plenary lectures (40 min) and thirteen section lectures (20 min) were delivered, and sixty-eight posters were presented at the conference.

Plenary lectures:

Some contemporary aspects of the mutual influence of ligands in complexes (*J. Gažo*, Czechoslovakia).

Electronic lability in coordination compounds (*J. H. Ammeter*, Switzerland).

EPR of exchange clusters containing three and four magnetic ions (*Yu. V. Yablokov*, USSR).

The coordination chemistry of non-linear pseudohalide ligands (*H. Köhler*, GDR).

The problem of disorder and reactivity in solid coordination compounds (*L. Kolditz*, GDR).

Redox series (*A. A. Vlček*, Czechoslovakia).

Kinetics of ligand substitution in 4- and 6-coordinate chelate complexes in organic media (*H. Elias*, GFR).

Structure and dynamic properties of electron deficient d^N-metallocenes (*I. Pavlík*, Czechoslovakia).

Coordination chemical equilibria of macromolecular polyfunctional ligands (*K. Burger*, Hungary).

Thirteen section lectures (20 min) were presented in two sections, and moreover, 68 posters.

Some section lecturers from abroad: *E. Brücher* (Hungary), *H. Kozłowski*, *J. Mrozinski*, *P. Sobota*, *Z. Stasicka* (Poland).

Eighty-five papers are published in the *Proceedings of the 8th Conference on Coordination Chemistry* (Edited by Organizing Committee, Slovak Technical University Press, 1980, 487 pp.). ES SVŠT - 577/80.

(See also Kohútová, M.: VIIIth Conference on Coordination Chemistry. *Chem. zvesti* 35(6), 856 (1981)).

9th Conference on Coordination Chemistry – 1983

The 9th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held from May 31 to June 3 1983, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairmen of the Organizing Committee: J. Gažo and M. Zikmund.

The conference was attended by 83 participants from 10 countries: Bulgaria 1, Canada 2, Czechoslovakia, 45, German Democratic Republic 6, German Federal Republic 1, Ireland 1, Poland 11, Romania 2, USSR 13, and Yugoslavia 1.

The conference was devoted to topical problems of coordination compounds, especially the relationship between their structure and chemical reactivity, questions of crystal chemistry, stereochemistry and the mutual influence of ligands in the coordination sphere of complexes,

problems of biocoordination chemistry in relation to macrocyclic ligands and to oxygen coordination, questions of photochemistry and photocatalysis of coordination compounds, problems of redox and substitution reactions, quantum chemical calculation of oxygen and nitrogen activation in complexes, equatorial-axial interactions of ligands and the specific properties of halogeno and pseudohalogeno complexes of copper.

Twelve plenary lectures (40 min) and 15 section lectures (20 min) were delivered and 70 posters were presented at the conference.

The plenary lectures presented:

Physical chemistry of tetraazamacrocyclic complexes (*K. B. Yatsimirskii*, USSR).

Factors determining redox energies in phthalocyanines and porphyrins (*A. B. P. Lever*, Canada).

The nature of metal-metal bond in binuclear coordination compounds (*V. I. Nefedov*, USSR).

On thiofluorophosphates (*L. Kolditz*, GDR).

Copper(II) stereochemistry – does spectroscopy tell the truth? (*B. J. Hathaway*, Ireland).

Metal extraction by chelating ligands (*E. Uhlig*, GDR).

Some new aspects of the nature of the magnetic centres in the crystals of the coordination compounds (*Yu. V. Yablokov*, USSR).

Homogeneous photocatalysis – a new field in coordination chemistry (*H. Hennig*, GDR).

Ligand substitution in planar platinum(II), palladium(II) complexes: the role of the substrate (*H. Elias*, GFR).

Synthesis, structure and reactions of rhodium(I) complexes (*J. Ziolkowski*, Poland).

Ligand properties of the thiocyanate group and relations to practical uses of thiocyanates (*H. Böhland*, GDR).

The pseudochalconide – concept, principles and applications in inorganic chemistry (*H. Köhler*, GDR).

Section lecturers from abroad: *P. R. Bontchev* (Bulgaria), *U. Calov*, *E. G. Jäger* (GDR), *J. Moziński*, *A. Samotus*, *Z. Stasicka* (Poland), *I. A. Zacharova* (USSR).

Ninety-one papers are published in the *Proceedings of the IXth Conference on Coordination Chemistry* (Edited by Organizing Committee, Slovak Technical University Press, 1983, 514 pp.). ES SVŠT-81/1983.

The course of the 9th CCCS was overshadowed by the death of Professor J. Gažo, the permanent chairman of the Organizing Committee who passed away suddenly on February 15, 1983, at the age of 53 years, three months before the opening of the conference. After him, Dr. M. Zikmund, a corresponding member of the Slovak Academy of Sciences was appointed the chairman of the 9th CCCS.

Professor J. Gažo initiated the Conferences on Coordination Chemistry held at Smolenice since 1964 and contributed to a great extent to their success. All participants spoke of the merits of Professor J. Gažo concerning the organizing of the CCCS and express their conviction about the usefulness of such conferences for the development of coordination chemistry not only in Czechoslovakia. Finally they expressed their requests to the Organizing Committee to continue in the tradition of the Conferences on Coordination Chemistry.

(See also Ondrejovič, G: IXth Conference on Coordination Chemistry. *Chem. zvesti* 37(6), 855–856 (1983) and Zikmund, M.: Memorial for Professor Ján Gažo, DrSc, Corresponding Member of the Czechoslovak Academy of Sciences and of the Slovak Academy of Sciences. *Chem. zvesti* 37(4), 573–574 (1983)).

10th Conference on Coordination Chemistry – 1985

The jubilee 10th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on June 4 – 7, 1985, in the House of Scientific Workers

of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: G. Ondrejovič.

The conference was attended by 96 participants from 9 countries: Bulgaria 4, Czechoslovakia 61, German Democratic Republic 8, German Federal Republic 4, Hungary 4, Italy 1, Poland 9, USSR 4, Yugoslavia 1.

The conference was devoted to topical problems and various fields of contemporary coordination chemistry, especially to the relationship between the structure of coordination compounds and their chemical reactivity mainly in substitution, redox and catalytic reactions, to the problems of kinetics and mechanisms, photochemistry and photocatalysis of coordination compounds and studies of coordination compounds by means of quantum chemical calculation, X-ray, magnetic, EPR, ESCA, Mössbauer and other spectroscopic methods.

Thirteen plenary lectures (40 min) and fourteen section lectures (20 min) were delivered and seventy posters were presented at the conference.

The plenary lectures were presented by:

D. Reinen (GFR): Cu^{2+} and Ni^{2+} in tetrahedral coordination – experimental evidence for Jahn-Teller distortions?

Yu. V. Yablokov (USSR): Cooperative effects in crystals with Jahn-Teller centres.

E. Uhlig (GDR): Selective complex formation with sulfonamide substituted thioligands.

C. Friebel (GFR): Coordination chemical studies on copper(II) complexes of N-nicotinoyl amino acids.

O. Traverso (Italy): Photogeneration of reactive low-valent transition metal complexes.

D. Rehorek (GDR): Spin trapping of radicals in reactions of inorganic and coordination compounds.

H. Elias (GFR): Kinetics and mechanism of ligand substitution in four-coordinate nickel(II) chelate complexes: a study on the reactivities of planar and tetrahedral configurational isomers and octahedral adducts.

J. Ziolkowski (Poland): Homogeneous metal complex catalyst design.

H. Köhler (GDR): Actual developments of pseudoelement concepts and their application in coordination chemistry.

H. Böhland (GDR): Influences of thiocyanate bond types in mixed ligand coordination compounds on their biochemical behaviour.

D. Steinborn (GDR): On the electronic influence of carbanions in metal complexes.

K. Burger (Hungary): Capillary Mössbauer spectroscopy – a new method in solution chemistry.

V. I. Nefedov (USSR): ESCA investigation of copper complexes.

Ninety-seven papers are published in the *Proceedings of the Xth Conference on Coordination Chemistry* (Edited by Organizing Committee, Slovak Technical University Press, 1985, 532 pp.), ES SVŠT - 87/85.

The pleasant milieu of the Smolenice Castle contributed to a good atmosphere at the conference which offered many possibilities for informal social contacts, discussions and exchange of inspiring ideas and opinions. The scientific and social program of the conference was positively affected by its jubilee character. The Slovak Technical University and Komenský University in Bratislava awarded the medals of honour to sixteen prominent chemists from all over the world for their contribution to the development of coordination chemistry and to the highest scientific level of the Conferences on Coordination Chemistry held in Smolenice.

(See also Ondrejovič, G: Xth Conference on Coordination Chemistry. *Chem. zvesti* 39(5), 719–720 (1985)).

11th Conference on Coordination Chemistry – 1987

The 11th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held on June 2 – 5, 1987, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: G. Ondrejovič.

The conference was held in the year when Slovak Technical University celebrated 50th anniversary of its foundation.

The conference was attended by 100 participants from 12 countries: Belgium 2, Bulgaria 4, Czechoslovakia 61, Denmark 1, German Democratic Republic 5, German Federal Republic 3, Hungary 4, Italy 1, Poland 11, USSR 4, USA 2, Yugoslavia 2.

The conference was devoted to topical problems and various fields of contemporary coordination chemistry, especially to the structure and bonding, synthesis and structures of new complexes, crystal structures and stereochemistry, reactivity, photochemistry and catalysis, theoretical aspects, thermal reactions, solid state chemistry and biological aspects of coordination compounds.

Thirteen plenary lectures (40 min) and seventeen section lectures (20 min) were delivered and sixty-eight posters were presented at the conference.

The plenary lectures were presented by:

D. Reinen (GFR): Structure and bonding of Mn(V), Mn(VI) and Cr(V) in the tetrahedral sites of oxidic solids.

S. V. Larionov (USSR): New groups of volatile coordination compounds.

L. Kolditz (GDR): Mechanism of solid state reactions and coordination chemistry.

R. D. Archer (USA): Kinetics and bonding considerations – a new guide to new coordination polymer structures with examples using cobalt and zirconium.

U. Belluco (Italy): Reactivity of platinum – group organometallic compounds.

Z. Stasicka (Poland): Photoredox reactions in some mixed cyanide.

I. Bertini (Italy): Metal dimers in metalloproteins.

P. R. Bontchev (Bulgaria): New platinum and palladium complexes with creatinine.

C. Friebel (GFR): EPR spectroscopic studies on tridentate Schiff base copper(II) complexes with additional monodentate donor ligands.

L. Nagy (Hungary): Electrochemical and spectroscopic studies of manganese complexes formed with sugar type ligands.

H. Elias (GFR): Preparation and application of sterically hindered pyridine bases.

M. T. Beck (Hungary): Importance of weak complexes in agricultural chemistry.

D. Steinborn (GDR). On the complex catalysis of animation of olefines.

Section lecturers: *M. Döring* (GDR), *F. N. Galsbol* (Denmark), *A. Jegorov* (Czechoslovakia), *D. Valigura* (Czechoslovakia), *J. Mroziński* (Poland), *M. Hvastijová* (Czechoslovakia), *S. Hoste* (Belgium), *B. Vlčková* (Czechoslovakia), *A. Samotus* (Poland), *A. Vlček, Jr.* (Czechoslovakia), *J. Šima* (Czechoslovakia), *A. M. Trzeciak* (Poland), *F. Joó* (Hungary), *G. P. Van der Kelen* (Belgium), *R. Boča* (Czechoslovakia), *M. Melník* (Czechoslovakia), *K. Andrä* (GDR)

Ninety-five papers are published in the *Proceedings of the XIth Conference on Coordination Chemistry* (Edited by Organizing Committee 1987, 480 pp.).

(See also Ondrejovič, G.: XIth Conference on Coordination Chemistry. *Chem. Papers* 42(1), 118 (1988)).

12th Conference on Coordination Chemistry – 1989

The 12th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Comenius University, and the Slovak Academy of Sciences in Bratislava was held on June 6 – 9, 1989, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: G. Ondrejovič. The conference participated on celebrations of 70. anniversary of the Comenius University in Bratislava.

The conference was attended by 92 participants from 11 countries: Belgium 1, Bulgaria 3, Czechoslovakia 60, France 1, German Democratic Republic 7, German Federal Republic 2, Hungary 2, India 2, Poland 7, USSR 5, Yugoslavia 2.

The conference was devoted to topical problems and various fields of contemporary coordination chemistry, especially to the structure and bonding, formation and reactivity, theoretical aspects, thermal reactions, and biological aspects of coordination compounds.

Fourteen plenary lectures (40 min) and sixteen section lectures (20 min) were delivered and fifty-eight posters were presented at the conference.

The plenary lectures were presented by:

E. Uhlig (GDR): Displacement of bidentate oxygen ligands from the coordination sphere of their late 3d-element chelates.

G. P. Van der Kelen (Belgium): Ceramic high T_c superconductors – survey on actual chemistry and future development.

Yu. V. Yablokov (USSR): Magnetic resonance in high temperature superconductors.

D. Benerjea (India): Thermodynamics, kinetics and mechanism of formation and dissociation of ternary complexes.

H. Elias (GFR): Preparation and kinetic investigation of model complexes for hemocyanin.

S. Ašperger (Yugoslavia): Substitution reactions of cobalt porphyrins.

E. G. Jäger (GDR): Investigations on the axial ligation of iron(III) in a hemine-like macrocyclic N₄-environment.

D. Steinborn (GDR): On synthesis, stability and reactivity of heteroatom substituted alkyl metal compounds.

V. A. Logvinenko (USSR): Thermal dissociation of coordination compounds as the ligands substitution process (thermodynamic and kinetic aspects).

M. Verdaguer (France): X-ray absorption spectroscopy in coordination chemistry.

R. Boča (Czechoslovakia): From molecular (spin) orbitals in metal complexes to band in clusters and solid-state compounds.

J. Mrozinski (Poland): Intra- and intermolecular magnetic interactions in copper(II) complexes.

M. Melník (Czechoslovakia): Relationship between the chemical and biological behaviours of copper(II) carboxylates.

C. Friebel (GFR): Chameleon-like behaviour of N-salicylidene-glycinato copper(II) complexes modified by additional monodentate donor ligands and water of crystallization.

Section lecturers: *P. Bontchev* (Bulgaria), *M. Mitewa* (Bulgaria), *M. Strašák* (Czechoslovakia), *V. V. Pavlishchuk* (USSR), *G. Stochel* (Poland), *F. Hartl* (Czechoslovakia), *B. Vlčková* (Czechoslovakia), *F. Pavelčík* (Czechoslovakia), *W. Dietzsch* (GDR), *R. Meier* (GDR), *P. Sipos* (Hungary), *L. I. Kuznetsova* (USSR), *M. B. Celap* (Yugoslavia), *H. Langfelderová* (Czechoslovakia), *P. Schwendt* (Czechoslovakia), *E. Jóna* (Czechoslovakia).

Eighty-five papers are published in the *Proceedings of the XIIth Conference on Coordination Chemistry* (Edited by Organizing Committee, 1989, 460 pp.).

(See also Ondrejovič, G.: XIIth Conference on Coordination Chemistry. *Chem. Papers* 44(3), 429 (1990)).

13th Conference on Coordination Chemistry – 1991

The 13th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Comenius University, and the Slovak Academy of Sciences in Bratislava was held from June 11 to June 14, 1991, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice (Smolenice Castle). Chairman of the Organizing Committee: G. Ondrejovič.

The conference was attended by 70 participants from 12 countries: Austria 1, Belgium 3, Bulgaria 2, Czecho-Slovakia 39, Denmark 1, Germany 7, France 2, Hungary 1, Italy 1, Poland 6, USSR 4, Yugoslavia 3.

Sixteen plenary lectures (40 min) and twenty section lectures (20 min) were delivered and thirty-seven posters were presented at the conference.

The plenary lectures dealt with the following topics:

Molecular System Organization in Certain Complexes (*V. Gutmann*, Austria),

Recent Results of the Investigation of the Influence of Transition Metal Complexes Composition and Structure on Their Chromatographic Behaviour (*M. B. Čelap*, Yugoslavia),

EPR Spectroscopic Insight into the Architecture of Molecular Crystals of Copper(II) Complexes with Organic Ligands (*C. Friebel*, Germany), Application of High-Pressure Techniques in Mechanistic Studies of Bioinorganic Systems (*R. van Eldik*, Germany),

Recent Advances in Chemistry and Applications of Metal Thiocyanate Complexes (*H. Böhland*, Germany),

The Redox Behaviour of Copper(II) Complexes with Polythia Ligands (*V. Pavlishchuk*, USSR), Structure and Magnetism of Copper(II) and Nickel(II) Macrocyclic Compounds (*J. Mrozinski*, Poland),

Kinetics and Mechanism of Complex Formation: Metal vs. Ligand Control (*H. Elias*, Germany), Multiple Mechanistic Pathways of the Oxydation of Organic Substrates by Peroxometal Complexes (*F. Di Furia*, Italy),

Oxygen Atom Transfer in Molybdenum and Tungsten Complexes (*H. Arzoumanian*, France), Effect of Modifying Ligands (POPh₃, PPh₃, dppe, and cp₂Zr(CH₂PPh₂)) on Hex-1-ene Hydroformylation Catalyzed by [HRh{P(OPh)₃}₃] and [HRh(CO){P(OPh)₃}₃] (*J. J. Ziolkowski*, Poland),

On the Complex Catalyzed Addition of Alcohols to Acetylenes (*D. Steinborn*, Germany),

Ferro and/or Ferrimagnetism: How to Design Molecular-Based Magnets (*M. Verdagner*, France), Copper Complexes with Antihypertension Drugs Captopril and Propranolol (*P. R. Bontchev*, Bulgaria),

Molecular Orbital Study of Semiconductors and Superconductor Clusters (*R. Boča*, Czecho-Slovakia),

Layered Structures and the Modeling of Properties of HTSC (*Yu. V. Yablokov*, USSR).

Section lectures were delivered by *G. P. Van der Kelen* (Belgium), *H. Langfelderová* (Czecho-Slovakia), *G. M. Nord* (Denmark), *A. M. Trzeciak* (Poland), *S. Ašperger* (Yugoslavia), *M. Melník* (Czecho-Slovakia), *M. Mitewa* (Bulgaria), *M. Strašák* (Czecho-Slovakia), *J. Labuda* (Czecho-Slovakia), *J. Šima* (Czecho-Slovakia), *G. G. Herman* (Belgium), *A. M. Goeminne* (Belgium), *L. J. Csányi* (Hungary), *P. Schwendt* (Czecho-Slovakia), *M. Sivák* (Czecho-Slovakia), *I. N. Marov* (USSR), *I. Kováčik* (Czecho-Slovakia), *G. N. Vučkovič* (Yugoslavia), *E. Jóna* (Czecho-Slovakia), *F. Valach* (Czecho-Slovakia).

The essential parts of contributions are published in the *Proceedings of the XIIIth Conference on Coordination Chemistry* (Edited by Organizing Committee, 1991, 74 papers, 380 pp.).

(See also Ondrejovič, G.: XIIIth Conference on Coordination Chemistry. *Chem. Papers* 46(2), 144 (1992)).

14th Conference on Coordination Chemistry – 1993

The 14th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Comenius University, and the Slovak Academy of Sciences in Bratislava was held in Smolenice Castle on June 7 –11, 1993 and was entitled "**Contributions to the Development of Coordination Chemistry**". Chairman of the Organizing Committee: G. Ondrejovič.

The Conference was attended by 92 participants from 16 countries: Austria 4, Belgium 3, Bulgaria 2, Czech Republic 2, France 1, Germany 13, Italy 4, Peru 1, Poland 12, Slovakia 40, South Africa 1, Spain 1, Switzerland 1, UK 3, USA 3 and Yugoslavia 1.

Participants covered in their contributions a wide range of problems of nowadays coordination chemistry reflected by eight topics:

Conceptions in coordination chemistry.

Synthesis and properties of new coordination compounds.

Coordination mode of ligands reflected in the structure of coordination compounds.

Structural correlations.

Complex formation in solutions.

Reactivity of coordination compounds.

Photochemical reactions of coordination compounds.

Biologically active complexes and ligands.

Twenty-one plenary lectures (35 min) and twenty-three section lectures (15 min) were delivered and forty-five posters were presented at the conference.

The plenary lectures were presented by V. Gutmann (Austria), H. B. Bürgi (Switzerland), P. Pallavicini (Italy), M. Verdaguer (France), C. Kutal (USA), H. Hennig (Germany), B. M. Rode (Austria), W. Linert (Austria), R. E. P. Winpenny (UK), J. Mrozinski (Poland), F. Di Furia (Italy), R. C. Thompson (USA), G. La Monica (Italy), M. D. Grillone (Italy), A. Vogler (Germany), D. M. Wagnerová (Czech Republic), B. Sieklucka (Poland), M. Mitewa (Bulgaria), O. P. Anderson (USA), H. Elias (Germany), P. R. Bontchev (Bulgaria).

Section lecturers: M. B. Celap (Yugoslavia), P. Pelikán (Slovakia), G. P. Van der Kelen (Belgium), R. Boča (Slovakia), M. Ludwig (Germany), A. Sieker (UK), V. Holba (Slovakia), A. M. Goeminne (Belgium), D. Bustin (Slovakia), S. Lis (Poland), J. Šýkora (Slovakia), J. Šima (Slovakia), G. Ondrejovič (Slovakia), M. Melník (Slovakia), L. Ballester (Spain), F. Valach (Slovakia), M. Andruh (Germany), E. Jóna (Slovakia), S. Lotz (South Africa), D. Valigura (Slovakia), P. Strauch (Germany), J. Kožíšek (Slovakia), L. Jäger (Germany).

Ninety-two reviewed papers as six-page articles are published in the monograph *Contributions to Development of Coordination Chemistry* (Editors G. Ondrejovič and A. Sirota, Slovak Technical University Press, Bratislava, 1993, 494 pp.). ISBN 80-227-0556-X.

(See also Ondrejovič, G.: XIVth Conference on Coordination Chemistry. *Chem. Papers* 47(5), 337 (1993)).

15th Conference on Coordination Chemistry – 1995

The 15th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Comenius University, and the Slovak Academy of Sciences in Bratislava was held on June 5 – 9, 1995 under the title "**Current Trends in Coordination Chemistry**". Chairman of the Organizing Committee: G. Ondrejovič.

The conference was attended by 92 participants from 21 countries: Austria 5, Bulgaria 2, Canada 2, Croatia 1, Czech Republic 1, France 2, Germany 9, Great Britain 1, Greece 1, Israel 1, Italy 2, The Netherlands 1, Poland 6, Russia 1, Slovakia 42, Slovenia 3, South Africa 1, Spain 1, Switzerland 3, Ukraine 4, and USA 3.

The scientific program of the conference was has been aimed at four main fields:

- A. Solid state chemistry – synthesis, structure and applications,
- B. Solution chemistry – catalysis, photochemistry, and mechanisms,
- C. Molecular materials – magnetic, optical, and electrical properties,
- D. Complexes in biological systems, human medicine, and environment.

The particular fields were introduced by main plenary lectures (each 60 min) delivered by distinguished scientists: *E. Constable* (University of Basel, Switzerland), *H. Hennig* (University of Leipzig, Germany), *D. Gatteschi* (University of Florence, Italy) and *J. Reedijk* (University of Leiden, The Netherlands).

Twenty three plenary lectures (each 35 min) and fifty six section lectures (each 15 min) were presented at the conference.

The plenary lectures were delivered by *E. Uhlig* (Jena, Germany), *K. R. Koch* (Cape Town, South Africa), *H. Böhlend* (Erfurt/Mühlhausen, Germany), *L. Ballester* (Madrid, Spain), *P. Šegedin* (Ljubljana, Slovenia), *C. Kotal* (Athens, Georgia, USA), *M. Sarakha* (Aubiere, Cedex, France), *D. Meyerstein* (Beer-Sheva, Israel), *D. Steinborn* (Halle-Wittenberg, Germany), *L. McElwee-White* (Gainesville, Florida, USA), *M. Herberhold* (Bayreuth, Germany), *B. M. Rode* (Innsbruck, Austria), *Y. D. Lampeka* (Kiev, Ukraine), *M. Verdaguer* (Paris, Cedex, France), *R. Boča* (Bratislava, Slovakia), *M. Melnik* (Bratislava, Slovakia), *J. Mrozinski* (Wroclaw, Poland), *O. Knop* (Halifax, Kanada), *V. Gutmann* (Vienna, Austria), *H. Sigel* (Basel, Switzerland), *P. R. Bontchev* (Sofia, Bulgaria), *D. M. Roundhill* (New Orleans, Louisiana, USA), *W. Linert* (Vienna, Austria).

Seventy-seven reviewed papers as six-page articles are published in the monograph *Current Trends in Coordination Chemistry* (Editors G. Ondrejovič and A. Sirota, Slovak Technical University Press, Bratislava, 1995, 460 pp.). ISBN 80-227-0769-4.

(See also Ondrejovič, G.: XVth Conference on Coordination Chemistry. *Chem. Papers* 49(3), 164 (1995)).

16th Conference on Coordination Chemistry – 1997

The 16th Conference on Coordination Chemistry ("**Progress in Coordination and Organometallic Chemistry**") was organized by the Slovak Chemical Society, Slovak University of Technology, and Comenius University in Bratislava on June 9 – 13, 1997 in Congress Centre of the Slovak Academy of Sciences in Smolenice Castle. Chairman of the Organizing Committee: G. Ondrejovič.

At the conference participated 81 scientists from 22 countries: Algeria 1, Australia 1, Belarus 1, Bulgaria 1, Canada 3, Finland 1, France 1, Germany 6, India 1, Ireland 1, Italy 3, Japan 1, Poland 8, Portugal 1, Russia 2., Slovakia 37, Slovenia 5, Spain 2, Switzerland 2, Ukraine 1, USA 1, and Yugoslavia 1.

The scientific program of the conference was divided into four main fields:

- A. Synthesis, structure, and properties of coordination and organometallic compounds.
- B. Reactivity and stability of coordination and organometallic compounds.
- C. Complexes in biological systems and human medicine.
- D. Applied and environmental inorganic and coordination chemistry.

The particular fields were introduced by main plenary lectures (each 45 min) presented by established scientists: *P. Braunstein* (L. Pasteur University of Strasbourg, France), *J. J. Ziolkowski* (University of Wroclaw, Poland), *I. Bertini* (University of Florence, Italy), and *M. Grätzel* (École Polytechnique Fédérale, Lausanne, Switzerland).

Twenty-two plenary lectures (each 30 min) and 43 section lectures (each 15 min) were presented at the conference. In the group of plenary lecturers presented their lectures *A. Storr* (Vancouver, Canada), *M. R. Sundberg* (Helsinki, Finland), *S. V. Larionov* (Novosibirsk, Russia), *D. J. Radanovič* (Kragujevac, Yugoslavia), *P. Strauch* (Leipzig, Germany),

E. Szlyk (Torun, Poland), *C. Zucchi* (Modena, Italy), *A. J. L. Pombeiro* (Lisboa, Portugal), *C. Kutal* (Athens, Georgia, USA), *L. Jäger* (Halle/Saale, Germany), *P. Sedlák* (Saskatoon, Canada), *M. Melnik* (Bratislava, Slovakia), *K. B. Pandeya* (Rewa, India), *P. R. Bontchev* (Sofia, Bulgaria), *K. B. Nolan* (Dublin, Ireland), *L. Lomozik* (Poznan, Poland), *I. Turel* (Ljubljana, Slovenia), *H. Elias* (Darmstadt, Germany), *R. C. Thompson* (Vancouver, Canada), *R. Boča* (Bratislava, Slovakia), *Y. Fukuda* (Tokyo, Japan), *P. Pelikán* (Bratislava, Slovakia), *F. S. Decurtins* (Zürich, Switzerland).

Fifty contributions are published as standard six-page reviewed papers in the monograph *Progress in Coordination and Organometallic Chemistry* (Editors G. Ondrejovič and A. Sirota, Slovak Technical University Press, Bratislava, 1997, 335 pp.). ISBN 80-227-0948-4.

(See also Ondrejovič, G: XVIth Conference on Coordination Chemistry. *Chem. Pap.* 52(1), 67 (1998)).

17th Conference on Coordination Chemistry – 1999

The 17th Conference on Coordination Chemistry organized by the Slovak Chemical Society, Slovak University of Technology, and Comenius University in Bratislava was held on June 7 – 11, 1999 in the Congress Centre of the Slovak Academy of Sciences in Smolenice Castle. Chairman of the Organizing Committee: G. Ondrejovič.

The scope of the Conference corresponded to title "**Coordination Chemistry at the Turn of the Century**". The conference dealt with up-to-date current problems of coordination and organometallic chemistry and with the progress achieved in these fields on the turn of both century and millenium. *Georg B. Kauffman* (California State University, Fresno), kindly met the wishes of the organizers and presented his introductory lecture of the conference on the development of coordination chemistry during the 20th century.

At the conference participated 97 scientists from 16 countries: Belgium 2, Bulgaria 1, Denmark 1, France 4, Germany 6, Greece 1, India 1, Italy 2, Japan 10, Poland 7, Portugal 1, Romania 3, Russia 1, Slovakia 49, UK 4, and USA 4.

The scientific program was divided into four main fields:

- A. Structure and reactivity of coordination and organometallic compounds (synthesis, structure, stability, kinetics, photochemistry, catalysis).
- B. Supramolecular coordination chemistry (solid state systems, host-guest chemistry, self assembling complexes, dendrimers, inorganic superstructures, molecular modeling).
- C. Complexes in biological systems, human medicine and environment (natural and model biocomplexes, relationship between structure and function of therapeutic agents and enzymes, catalyzed destruction of pollutants).
- D. Applied inorganic chemistry (supramolecular devices, magnetic materials, superconductors, magnetic, electrical, and optical properties of inorganic and coordination compounds, application of inorganic catalysts).

The invited plenary lecturers (*G. Kauffman* from California State University of Fresno, *J. Gladysz* from University of Utah, Salt Lake City, *M. Andruh* from University of Bucharest, *P. R. Bontchev* from University of Sofia, and *M. Verdaguer* from Université Pierre et Marie Curie, Paris) opened the main sessions of the Conference and presented their plenary lectures (each 45 minutes).

Moreover, 24 plenary lectures (each 30 minutes) were delivered by *J. L. Wardell* (UK), *B. Sieklucka* (Poland), *K. Sakai* (Japan), *K. Okamoto* (Japan), *J. Glerup* (Denmark), *M. Melnik* (Slovakia), *M. Mikuryia* (Japan), *A. Maldotti* (Italy), *Ch. Kutal* (USA), *M. Lalia-Kantouri* (Greece), *K. Hegetschweiler* (Germany), *D. B. Leznoff* (Canada), *P. Hubberstey* (UK), *R. Raptis* (USA), *V. Fusi* (Italy), *K. B. Pandeya* (India), *J. Szklarzewicz* (Poland), *M. A. Santos* (Portugal), *G. Simonneaux* (France), *J. Mrozinski* (Poland), *R. Boča* (Slovakia), *J. Telsner* (USA), *M. Elbanowski* (Poland), *P. Strauch* (Germany).

Thirty-eight section lectures (each 15 minutes), 11 section lectures (each 10 minutes), and 15 posters were presented at the Conference.

Sixty-eight contributions have been published as at least six-page reviewed papers in the monograph *Coordination Chemistry at the Turn of the Century* Volume 4, Monograph series of the International Conferences on Coordination Chemistry held periodically at Smolenice, Slovakia (Editors G. Ondrejovič and A. Sirota, Slovak Technical University Press, Bratislava, 1999, 473 pp.). ISBN 80-227-1225-6, ISSN 1335-308X.

The 17th Conference on Coordination Chemistry was the suitable occasion to recollect the 70th birthday of Ján Gažo (1929 – 1983) who initiated the Conferences on Coordination Chemistry organized periodically in Smolenice Castle. Ján Gažo was a very clever manager and organizer. His research projects and visions attracted many people, in particular young chemists. He deeply influenced coordination chemistry in Slovakia for a long period of time. The First Conference on Coordination Chemistry was organized at Smolenice Castle in 1964 and for next eight Conferences, until his death, he acted as a chairman of the Organizing Committee. The Conferences have been accepted for their scientific and social levels by coordination chemists from all over the world. Outstanding chemists such as S. Ašperger, D. Banerjea, M. T. Beck, U Belluco, I. B. Bersuker, J. Bjerrum, K Burger, M. B. Celap, E. O. Fischer, V. Gutmann, B. J. Hathaway, B. Jezowska-Trzebiatowska, S. Kirschner, E. C. Lingafelter, R. S. Nyholm, M. A. Poraj-Koshits, J. Reedijk, L. Sacconi, K. Saito, C. Schäffer, G. Schwarzenbach, J. T. Struchkov, E. Uhlig, G. Van der Kelen, A. A. Vlček, M. E. Volpin, K. B. Yatsimirskii and many other prominent coordination chemists took part in Smolenice Conferences.

(See also Ondrejovič, G.: XVIIth Conference on Coordination Chemistry. *Chem. Papers* 53(5),346 (1999)).

18th International Conference on Coordination and Bioinorganic Chemistry – 2001

The 18th International Conference on Coordination and Bioinorganic Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Comenius University, and the Slovak Academy of Sciences in Bratislava was held in Smolenice Castle on June 4 – 8, 2001. Chairman of the Organizing Committee: M. Melník.

The Conference entitled "**Challenges for Coordination Chemistry in the New Century**" was a very interesting meeting of 93 participants from 19 countries (Australia 1, Bangladesh 1, Belgium 2, Finland 1, France 1, Germany 8, Hungary 2, India 2, Japan 7, Portugal 1, Poland 6, Romania 2, Russia 1, Slovakia 51, Slovenia 1, Taiwan 1, Turkey 1, UK 1, USA 3).

Topics of the scientific program:

Opening lecture: Coordination chemistry – origin, development and outlook (M. Melník, 30 min).

A. Complexes in biological systems, human medicine and environment.

B. Structure, charge density and reactivity of coordination and bioinorganic compounds.

C. Thermal analysis of inorganic and coordination compounds. Inorganic materials.

D. Applied inorganic chemistry. Magnetic, electrical and optical properties of inorganic and coordination compounds.

The invited lecturers (45 minute lectures): *D. Rehder* (University of Hamburg, topic A), *Yu. Wang* (National Taiwan University in Taipei, topic B), *B. Chowdhury* (Matech Associates in Scanton, USA, topic C), and *J. Mrozinski* (University in Wroclaw, topic D) opened the main plenary sessions

Nineteen lectures each lasting 30 minutes, were delivered by *M. Melník* (Slovakia), in topic A by *G. Stochel* (Poland), *M. Humar* (Slovenia), *M. Nakamura* (Japan), *P. Balgavý* (Slovakia), *R. V. Singh* (India), in topic B by *M. R. Sundberg* (Finland), *J. Szklarewicz* (Poland), *M. Kojima* (Japan), *A. B. Burdukov* (Russia), *M. Mikuriya* (Japan), *P. Baran* (Slovakia),

H. Hennig (Germany), *G. Speier* (Hungary), *G. Simonneaux* (France), in topic C by *P. S. Thomas* (Australia), and in topic D by *R. Boča* (Slovakia), *P. Strauch* (Germany) and *E. Farkas* (Hungary).

Moreover, participants presented 53 section lectures (each 15 minutes) and 13 shorter lectures (10 minutes) in the young scientists section. No posters were presented this time.

The reviewed contributions are published in the monograph *Challenges for Coordination Chemistry in the New Century* Volume 5, Monograph series of ICCBIC Smolenice, Slovakia (Editors M. Melník and A. Sirota, Slovak Technical University Press, Bratislava, 2001, 461 pp.). ISBN 80-227-1539-5, ISSN 1335-308X.

19th International Conference on Coordination and Bioinorganic Chemistry – 2003

The 19th International Conference on Coordination and Bioinorganic Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Comenius University, and the Slovak Academy of Sciences in Bratislava was held in Smolenice Castle on June 2 – 6, 2003 and was entitled "**Progress in Coordination and Bioinorganic Chemistry**". Chairman of the Organizing Committee: M. Melník.

As usually, it represented a very interesting meeting of 96 participants. Ninety-two active participants from 18 countries presented their scientific results from Belgium 1, Canada 2, Czech Republic 3, Egypt 2, Finland 1, France 1, Germany 6, Hungary 9, Italy 1, Japan 11, Poland 6, Romania 5, Russia 1, Slovakia 39, Spain 1, Switzerland 1, UK 1, USA 1.

The scientific program was focused on following topics:

- A. Complexes in biological systems, human medicine and environment.
- B. Structure and reactivity of coordination and bioinorganic compounds.
- C. New materials in inorganic and bioinorganic chemistry.
- D. Applied coordination, bioinorganic and inorganic chemistry: electrochemistry and magnetic properties.

The main plenary lectures were delivered by the invited lecturers *D. Steinborn* (Martin-Luther-University Halle, Germany (topic A)), *A. von Zelewsky* from Fribourg University, Switzerland (topic B), *P. Strauch* from Postdam University, Germany (topic C), and *A.B. P. Lever* from York University, Canada, topic D.

Twenty-five contributions were presented as 30 minute plenary lectures: in topic A by *A. Llobet* (Girona, Spain), *Y. N. Butt* (Norwich, UK), *B. Lippert* (Dortmund, Germany), *M. Mikuriya* (Sanda, Japan), in topic B by *T. Ito* (Sendai, Japan), *W. Mori* (Kanagawa, Japan), *L. J. Simandi* (Budapest, Hungary), *M. R. Sundberg* (Helsinki, Finland), *K. Hegetschweiler* (Saarbrücken, Germany), *A. B. Burdukov* (Novosibirsk, Russia), *C. Kutal* (Georgia, USA), *J. Šima* (Bratislava, Slovakia), *T. Shibahara* (Okayama, Japan), *J. Szklarzewicz* (Krakow, Poland), *M. Kojima* (Okayama, Japan), *C. Arena* (Parma, Italy), *N. Kojima* (Osaka, Japan), *V. Stynes* (Toronto, Canada), *M. Handa* (Matsue, Japan), , in topic C by *G. Simonneaux* (Rennes, France), *M. Yamashita* (Tokyo, Japan), *E. Szlyk* (Toruń, Poland), in topic D by *T. Szabó-Plánka* (Szeged, Hungary), *R. Boča* (Bratislava, Slovakia), and *J. Mroziński* (Wroclaw, Poland).

Participants read 42 section lectures (each 15 minutes). As a matter of good tradition, young participants were given an opportunity to present their results in the form of 11 shorter (10 minutes) lectures in the young scientists section. Within the poster section 10 contributions were presented.

Sixty-eight reviewed papers are published in the monograph *Progress in Coordination and Bioinorganic Chemistry* Volume 6, Monograph series of ICCBIC Smolenice, Slovakia (Editors M. Melník, and A. Sirota, Slovak Technical University Press, Bratislava, 2003, 433 pp.). ISBN 80-227-1891-2. ISSN 1335-308X.

20th International Conference on Coordination and Bioinorganic Chemistry – 2005

The 20th International Conference on Coordination and Bioinorganic Chemistry organized by the Slovak Chemical Society, Slovak Technical University, Comenius University, and the Slovak Academy of Sciences in Bratislava was held in Smolenice Castle on June 5 – 10, 2005 and was entitled "**Advances in Coordination, Bioinorganic and Inorganic Chemistry**". Chairman of the Organizing Committee: M. Melník.

It was a scientific event of very high level. A number of active participants reached 114, covering 23 countries (Australia 1, Croatia 1, Czech Republic 4, France 1, Germany 8, Hungary 9, Iran 3, Ireland 1, Japan 18, Moldova 1, New Zealand 1, Poland 7, Portugal 3, Romania 2, Russia 3, Slovakia 38, Slovenia 2, Spain 3, Switzerland 2, Thailand 1, Turkey 1, USA 3).

Topics of the scientific program:

- A. Electron, molecular and crystal structures.
- B. Solution and solid state reactivity.
- C. Applied inorganic and coordination chemistry.
- D. Complexes in biological systems, human medicine and environment.

The main plenary lectures (45 min) were delivered by invited lecturers *M. R. Sundberg* (Helsinki, Finland, topic A), *G. Simonneaux* (Rennes, France, topic B), *M. Yamashita* (Sendai, Japan, topic C), and *H. Sigel* (Basel, Switzerland, topic D).

Twenty-two plenary lectures (30 min) were delivered, in topic A by *A. Mueller* (Bielefeld, Germany), *R. N. Bose* (DeKalb, USA), *M. Melník* (Bratislava, Slovakia), *P. Strauch* (Potsdam, Germany), *J. Šima* (Bratislava, Slovakia), in topic B by *D. Steinborn* (Halle, Germany), *Y. Sasaki* (Sapporo, Japan), *K. Hegetschweiler* (Saarbrücken, Germany), *T. Ito* (Sendai, Japan), *J. Mrozinski* (Wrocław, Poland), *S. Takeda* (Sapporo, Japan), *M. Julve* (Valencia, Spain), in topic C by *M. Mikuriya* (Sanda, Japan), *M. Nakamura* (Tokyo, Japan), *W. Mori* (Kanagawa, Japan), *E. Szyk* (Torun, Poland), *B. Sieklucka* (Krakow, Poland), *J. Krzystek* (Tallahassee, USA), in topic D by *J. Sóvágó* (Debrecen, Hungary), *B. Zümreoglu-Karan* (Ankara, Turkey), *M. Koman* (Bratislava, Slovakia), *J. Kaizer* (Veszprém, Hungary).

The results obtained by the participants were presented in 26 plenary lectures, 59 section lectures, and 13 contributions were presented in the poster section. Based on appreciation received at previous ICCBIC, also at this conference 15 young participants, considered as future of coordination chemistry, were given an opportunity to present their results in the form of oral presentation as 10 minute lectures within Young Scientists Section.

Abstracts of contributions are published in the Book of Abstracts and reviewed full papers in CD-monograph *Advances in Coordination, Bioinorganic and Inorganic Chemistry* Volume 7, Monograph series of ICCBIC Smolenice, Slovakia (Editors M. Melník, J. Šima, and M. Tatarko, Slovak Technical University Press, Bratislava 2005, 440 pp.). CD-monograph. ISBN 80-227-2226X, ISSN 1335-308X.

21st International Conference on Coordination and Bioinorganic Chemistry – 2007

The 21st International Conference on Coordination and Bioinorganic Chemistry organized by the Slovak Chemical Society, Slovak Technical University in Bratislava, Comenius University in Bratislava, the Slovak Academy of Sciences, Alexander Dubček University in Trenčín and Pavol Jozef Šafárik University in Košice was held in Smolenice Castle on June 3 – 8, 2007 and was entitled "**Achievements in Coordination, Bioinorganic and Applied Inorganic Chemistry**". Chairman of the Organizing Committee: M. Melník.

Eighty-six active participants from 16 countries (Australia 1, Austria 1, Czech Republic 6, Egypt 2, France 4, Germany 8, Hungary 7, India 2, Ireland 2, Japan 7, Poland 5, Romania 1, Russia 4, Serbia 1, Slovakia 33, USA 2) presented their scientific results in the program of the conference.

Topics of the scientific program:

- A. Electron, molecular and crystal structures.
- B. Solution and solid state reactivity.
- C. Applied inorganic and coordination chemistry.
- D. Complexes in the human medicine and in the environment.

The main plenary lectures (45 min) were delivered by invited lecturers *M. Mikuriya* (Sanda, Japan, topic A), *R. Slade* (University of Surrey, UK, topic B), *P. Day* (Royal Institution of Great Britain, UK, topic C), and *T. Szabó-Plánka* (Szeged, Hungary, topic D),

Twenty-two plenary lectures (30 min) were delivered, in topic A by *H. Fuess* (Darmstadt, Germany), *J. Kaizer* (Veszprém, Hungary), *S. D. Zarič* (Belgrade, Serbia), *A. Ozarowski* (USA), *B. Creaven* (Dublin, Ireland), in topic B by *A. K. Powell* (Karlsruhe, Germany), *P. Comba* (Heidelberg, Germany), *J. Mroziński* (Wrocław, Poland), *R. Boča* (Bratislava, Slovakia), *N. V. Belkova* (Moscow, Russia), *M. Ferbinteanu* (Bucharest, Romania), *I. Hoskovicová* (Prague, Czech Republic), in topic C by *F. L. Lindoy* (Sydney, Australia), *N. Avarvari* (Angers, France), *T. Azais* (Paris, France), *M. Breza* (Bratislava, Slovakia), *P. Štěpnička* (Prague, Czech Republic), and *R. Podgajny* (Krakow, Poland), in topic D by *M. Melník* (Trenčín, Slovakia), *R. N. Patel* (Rewa, India), *J. Krzystek* (Florida, USA), *K. Hegetschweiler* (Saarbrücken Germany).

Thirty-four section lectures (15 min) were presented and 12 contributions were presented by posters. Young scientists presented 18 lectures (10 min) in young scientists session.

Abstracts of contributions are published in the Book of Abstracts and reviewed full papers in CD-monograph *Achievements in Coordination, Bioinorganic and Applied Inorganic Chemistry*, Volume 8, Monograph series of ICCBIC Smolenice, Slovakia (Editors M. Melník, J. Šima, and M. Tatarko, Slovak Technical University Press, Bratislava 2007, 370 pp.). CD-monograph. ISBN 978-80-227-2647-4, ISSN 1335-308X.

22nd International Conference on Coordination and Bioinorganic Chemistry – 2009

The 22nd International Conference on Coordination and Bioinorganic Chemistry organized by the Slovak Chemical Society, Slovak Technical University in Bratislava, Comenius University in Bratislava, Alexander Dubček University in Trenčín, and Slovak Academy of Sciences was held in Smolenice Castle on June 7 – 2, 2009 and was entitled "**Insights into Coordination, Bioinorganic and Applied Inorganic Chemistry**". Chairman of the Organizing Committee: M. Melník.

The Conference was a successful meeting of 110 active participants from 26 countries: Argentina 1, Austria 1, Brazil 2, Bulgaria, Czech Republic 1, Croatia 2, Finland 1, France 4, Germany 4, Greece 1, Hungary 8, India 3, Ireland 2, Italy 1, Japan 10, Moldavia 1, Netherlands 1, Poland 11, Russia 4, Slovakia 39, Slovenia 4, South Africa 2, Switzerland 1, Spain 1, Sweden 1, USA 2.

Topics of the scientific program:

- A. Electron, molecular and crystal structures.
- B. Solution and solid state reactivity.
- C. Applied inorganic and coordination chemistry.
- D. Complexes in the human medicine and in the environment.

The main plenary lectures (45 min) were delivered by invited lecturers *M. Yamashita* (Sendai, Japan, topic A), *B. Sieklucka* (Kraków, Poland, topic B), *M. R. Sundberg* (Helsinki, Finland, topic C), *M. Nakamura* (Funabashi, Japan, topic D).

Eighteen plenary lectures (30 min) were presented in topic A by *K. Hegetschweiler* (Saarbrücken, Germany), *M. Melník* (Bratislava, Slovakia), *J. B. Baruah* (Guwahati, India), *M. Meuwly* (Basel, Switzerland), in topic B by *W. Ziemkowska* (Warsaw, Poland), *T. Szabó-Plánka* (Szeged, Hungary), *H. Nakazawa* (Osaka, Japan), *M. Mikuriya* (Sanda, Japan), *J. Kaizer* (Veszprém, Hungary), *A. K. Boudalis* (Aghia Paraskevi Attikis, Greece), in topic C

by *R. Boča* (Bratislava, Slovakia), *R. Réau* (Rennes Cedex, France), *R. Murugavel* (Mumbai, India), in topic D by *M. Tacke* (Dublin, Ireland), *T. Shimizu* (Sendai, Japan), *B. Gyurcsik* (Szeged, Hungary), *J. Darkwa* (Johannesburg, South Africa), *D. C. Crans* (Colorado, USA).

Fifty section lectures (15 min) were presented and 16 contributions were presented by posters. Young scientists presented 22 lectures (10 min) in young scientists session.

Abstracts of papers are published in the Book of Abstracts. Reviewed full papers are published in CD-monograph *Insights into Coordination, Bioinorganic, and Applied Inorganic Chemistry* (Editors M. Melník, J. Šíma, and M. Tatarko, Press of Slovak University of Technology, Bratislava 2009, 451 pp.). CD-monograph. ISBN 978-80-227-3085-3, ISSN 1335-308X.

23rd International Conference on Coordination and Bioinorganic Chemistry – 2011

The 23rd International Conference on Coordination and Bioinorganic Chemistry organized by the Slovak Chemical Society, Slovak Academy of Sciences, Slovak University of Technology in Bratislava, and Alexander Dubček University in Trenčín was held in Smolenice Castle on June 5 – 10, 2011 and was entitled "**New Trends in Coordination, Bioinorganic, and Applied Inorganic Chemistry**". Chairman of the Organizing Committee: M. Melník.

The conference was attended by 101 participants from abroad, 46 from Slovakia, from 29 countries, first time including China and Singapore.

The conference was attended by 145 active participants from 33 countries: Argentina 1, Australia 1, Belarus 2, Bulgaria 1, Czech Republic 4, Denmark 1, Egypt 1, Finland 1, France 6, Germany 9, Greece 2, Hong Kong 1, Hungary 13, India 2, Indonesia 2, Ireland 1, Italy 3, Japan 10, Palestine 1, Poland 15, Portugal 1, Russia 4, Slovakia 42, South Africa 2, Spain 2, Switzerland 2, Taiwan 2, The Netherlands 1, Turkey 3, UK 1, Ukraine 2, Uruguay 2, USA 4.

Scientific program was focused on topics:

- A. Electron, molecular and crystal structure (guaranteed by D. Reinen, Germany).
- B. Reactivity in solution and in solid state (guaranteed by J. Mroziński, Poland).
- C. Applied inorganic and coordination chemistry (guaranteed E. C. Constable, Switzerland).
- D. Complexes in the human medicine and in the environment (guaranteed by J. Reedijk, Netherlands).

The main plenary lectures (45 min) were delivered by invited lecturers *D. Reinen* (Germany), *J. Mroziński* (Poland), *E. C. Constable* (Switzerland), and *J. Reedijk* (Netherlands).

Twenty plenary lectures (30 min) were presented in topic A by *M. Nakamura* (Japan), and *M. R. Sundberg* (Finland), in topic B by *F. Mohr* (Germany), *K. Hegetschweiler* (Germany), *R. Boča* (Slovakia), *N. V. Nagy* (Hungary), *I. Hoskovcová* (Czech Republic), *J. Kaizer* (Hungary), in topic C by *M. Knorr* (France), *B. Zümreoglu-Karan* (Turkey), *N. Gerasimchuk* (USA), *L. Spiccia* (Australia), *F. Nief* (France), *J. Darkwa* (South Africa), in topic D by *S. I. Chan* (Taiwan), *M. Tacke* (Ireland), *B. Therrien* (Switzerland), *L. Mishra* (India), *S. Dasgupta* (India), *W. K. Wong* (Hong Kong). Fifty-four section lectures (15 min) were presented and 22 contributions were presented by posters. Young scientists presented 41 lectures (10 min) in young scientists session.

The abstracts are published in the Book of Abstracts and reviewed papers in the CD-monograph *New Trends in Coordination, Bioinorganic, and Applied Inorganic Chemistry* (Editors M. Melník P. Segl'a and M. Tatarko, Slovak University of Technology Press, Bratislava 2011, 614 pp.). CD-monograph. ISBN 978-80-227-3509-4, ISSN 1335-308X.

(See also Melník, M., Segl'a, P.: Medzinárodná konferencia o koordinačnej a bioanorganickej chémii. *ChemZi* 7/13, 21 (2011)).

24th International Conference on Coordination and Bioinorganic Chemistry – 2013

The 24th International Conference on Coordination and Bioinorganic Chemistry (ICCBIC) organized by the Slovak Chemical Society, Slovak Technical University, Slovak Academy of Sciences in Bratislava and Alexander Dubček University in Tenčín was held in Smolenice Castle on June 2 – 7, 2013 and was entitled "**Recent Developments in Coordination, Bioinorganic, and Applied Inorganic Chemistry**". Chairman of the Organizing Committee: M. Melník.

The conference was attended, until now, by the highest number of participants – 173 scientists from 28 countries: Argentina 2, Belarus 1, Bulgaria 3, China 3, Czech Republic 4, Denmark 1, Egypt 1, France 4, Germany 5, Greece 2, Hungary 17, India 2, Iran 1, Israel 2, Japan 11, Poland 27, Romania 3, Russia 15, Saudi Arabia 1, Singapore 1, Slovakia 43, South Africa 3, Tunisia 3, Turkey 4, UK 1, Ukraine 2, Uruguay 1, USA 10.

Scientific program was focused on following topics:

- A. Electron, molecular and crystal structure (guaranteed by N. Kojima, Japan).
- B. Reactivity in solution and in solid state (guaranteed by A. Ozarowski, USA).
- C. Applied inorganic and coordination chemistry (guaranteed by L. Brammer, UK).
- D. Complexes in the human medicine and in the environment (guaranteed by E. Solomon, USA).

The main plenary lectures were delivered by invited lecturers *N. Kojima* (Japan, 45 min), *A. Ozarowski* (USA, 45 min), *L. Brammer* (UK, 45 min) and *E. I. Solomon* (USA, 60 min).

Twenty-one plenary lectures lasting 30 minutes were presented in topic A by *C. E. Schäffer* (Denmark), *C. Train* (France), *B. Tsukerblat* (Israel), *M. Verdaguer* (France), in topic B by *O. Kovalchukova* (Russia), *E. Lodyga-Chruščińska* (Poland), *M. Mikuriya* (Japan), *M. Saphier* (Israel), *E. M. Glebov* (Russia), in topic C by *W. Mori* (Japan), *H. Lang* (Germany), *W. Ziemkowska* (Poland), *M. Abe* (Japan), in topic D by *R. Boča* (Slovakia), *M. J. Maroney* (USA), *F. Mohr* (Germany), *M. O. Onani* (South Africa), *H. Ishida* (Japan), *S. M. Aldoshin* (Russia), *D. Chatterjee* (India), and *L. Rulišek* (Czech Republic). The results obtained by the participants were presented also in 59 section lectures (15 min) and 43 contributions were presented by posters. In Young Scientists Session 49 young scientists presented their results in 10 min. lectures.

The contributions are published in the Book of Abstracts and the USB-key monograph *Recent Developments in Coordination, Bioinorganic, and Applied Inorganic Chemistry*, Volume 11, Monograph series of ICCBIC Smolenice, Slovakia (Editors M. Melník P. Segľa and M. Tatarko, Press of Slovak University of Technology, Bratislava, 2013, 502 pp.). USB-key monograph. ISBN 978-80-227-3918-4, ISSN 1335-308X.

(See also, Drábik, M.: Slovakia: From bioinorganic to solid state chemistry. *EuCheMS Newsletter*, November 2013, 4)

25th International Conference on Coordination and Bioinorganic Chemistry – 2015

The 25th International Conference on Coordination and Bioinorganic Chemistry (ICCBIC) organized by the Slovak Chemical Society, Slovak Technical University, Slovak Academy of Sciences in Bratislava and Alexander Dubček University in Tenčín was held in Smolenice Castle on May 31 – June 5, 2015 and was entitled "**Advancing Coordination, Bioinorganic and Applied Inorganic Chemistry**". Chairman of the Organizing Committee: M. Melník.

The conference was attended by 118 participants from 24 countries. Scientific program was focused on following topics:

- A. Electron, molecular and crystal structure (guaranteed by A. Hauser, Switzerland).
- B. Reactivity in solution and in solid state.
- C. Applied inorganic and coordination chemistry (guaranteed by T. Mizokawa, Japan).
- D. Complexes in the human medicine and in the environment (guaranteed by C. J. Rhodes, UK).