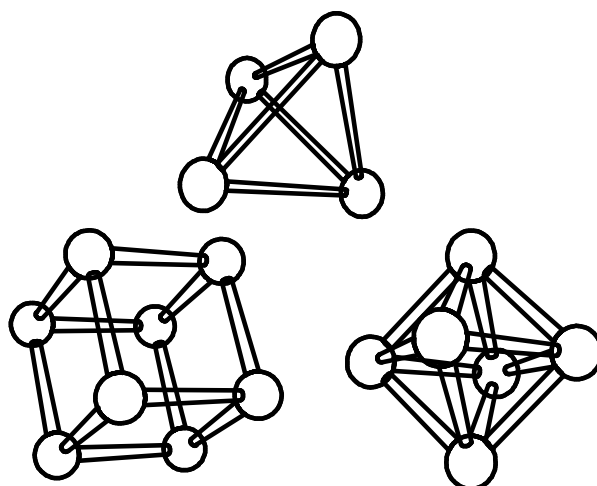


SLOVENIAN CRYSTALLOGRAPHIC SOCIETY
CROATIAN CRYSTALLOGRAPHIC ASSOCIATION

Petnajsto srečanje slovenskih in hrvaških kristalografov

FIFTEENTH SLOVENIAN-CROATIAN CRYSTALLOGRAPHIC MEETING

15-18 June, 2006
Jezerško, SLOVENIA



BOOK OF ABSTRACTS PROGRAMME

Ljubljana, Slovenia
June, 2006.

FIFTEENTH SLOVENIAN - CROATIAN CRYSTALLOGRAPHIC MEETING

Jezerško, Slovenia
15-18 June, 2006,

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Oxford Cryosystems Ltd, Oxford, United Kingdom

Medis d.o.o., Brnčičeva 1, Ljubljana, Slovenia

Hotel PLANINKA, Jezerško, Slovenia

The exhibition place is located at the Seminar room in Hotel Planinka, 1st floor,
during the official hours of the conference.

FIFTEENTH SLOVENIAN - CROATIAN CRYSTALLOGRAPHIC MEETING

Jezersko, Slovenia
15-18 June, 2006.

The Fifteenth Slovenian-Croatian Crystallographic Meeting will be held in the Hotel PLANINKA, Jezersko, Slovenia from Thursday to Sunday, June 15-18, 2006.

The registration of the participants will take place on Thursday, 15 June 2006 between 10.00 and 11.00 hours. The opening of the meeting is scheduled for 11.00 o'clock sharp.

The Meeting is being organized jointly by the Slovenian Crystallographic Society and by the Croatian Crystallographic Association under the auspices of the Faculty of Chemistry and Chemical Technology, University of Ljubljana, and promoted by the Slovenian Chemical Society.

ORGANIZING COMMITTEE:

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Acad.Prof.Dr. B. Kamenar, Zagreb

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Prof.Dr. D. Matković-Čalogović, Zagreb
Prof.Dr. A Prodan, Ljubljana
Prof.Dr. A. Meden, Ljubljana

There will be five plenary lectures of 1 hour (45+15 minutes) and short oral presentations (10-20 minutes).

The meeting is open for the contributions dealing with all aspects of crystallography and its application.

The official language of the meeting, written and spoken, will be English.

PROGRAMME

Jezerško is one of Slovenia's most important climatic resorts. It is claimed to be the most beautiful place between two mountain ranges - Karavanke and Kamnik - Savinja Alps. Jezerško lies 906 meters above sea level in a peaceful area not far away from the national border with Austria (Jezerško, Seeberg Pass 1218 m). Jezerško has an extremely good climate range among several European resorts for eyes and lungs rehabilitation. In the past it had an important health centre for these types of diseases.

16⁴⁵ **UWE KOLITSCH, Maria Wierzbicka, Ekkehart Tillmanns**
Monoclinic BaY₂Si₃O₁₀ and Triclinic SrY₂Si₃O₁₀: Flux-Growth and Atomic Arrangements of Two New Silicates Containing Finite Si₃O₁₀ Units

16⁵⁵ **DAVORIN MEDAKOVIĆ, Željko Skoko, Stanko Popović**
Mineral Composition of Benthic Marine Organisms Attached to the Antique Sculpture of Apoxyomenos

17⁰⁵ **Stanko Popović, Goran Štefanić, ŽELJKO SKOKO, Svetozar Musić**
XRD Study of Al-Ag-Zn Alloys at High Temperatures

17¹⁵ **DARKO TIBLJAŠ, Dražen Balen, Zrinka Šimić-Kanaet**
PIETRA OLLARE Artefact From Červar Porat (Istria, Croatia)

BREAK

17³⁰ **META DOBNIKAR, Breda Mirtič, Mateja Golež, Ana Mladenović, Andrijana Sever Škapin**
Mineralogical Characteristics of Manor House Novo Celje Renders

17⁴⁰ **VJERA NOVOSEL-RADOVIĆ, Nikol Radović, Milka Balen, Mirjana Lončar**
X-Ray Diffraction and Quality Control of Temporary Protection of Seamless Steel Tubing

17⁵⁰ **WILFRIED GILLE**
A New Model For The Analysis of Tightly Packed Two-Phase Systems via Small-Angle Scattering (SAS)

18⁰⁰ **JOSIP BRONIĆ, Ana Mužic, Boris Subotić**
Influence of the Gelation Temperature On Kinetics of Crystallization

18¹⁰ **CLEO KOSANOVIĆ, Sanja Bosnar, Boris Subotić, Vesna Svetličić, Tea Mišić, Goran Dražić, Matijaž Godec**
A Study of The Zeolite Crystallization From Gels

18²⁰ **SANJA BOSNAR, Cleo Kosanović, Boris Subotić, Zsolt Kajcsos, Laszlo Liskay, Damir Bosnar, Nataša-Tušar Novak, Venčeslav Kaučič**
Positron Lifetime Spectroscopy in Structural Investigation of Amorphous Zeolite Precursors

18³⁰ **ANDREJA GAJOVIĆ, Nenad Tomašić, Igor Đerđ, Vesna Ličina, Andrea Moguš-Milanković, Dangsheng Su**
Preparation and Microstructure of the Zirconium Titanate Ceramics and Correlation to The Electric Properties

18⁴⁰ **ANTON MEDEN**
How to Slove Structures of Ill-Crystallized samples, an Example of Mo-S-I Nano-Wires

FRIDAY, June 16, 2006

9⁰⁰ PLENARY LECTURE Chairperson: P. Šegedin

MARIJA KOSEC

Ferroelectrics: From Bulk to Nano

10⁰⁰ COFFEE BREAK

ORAL PRESENTATIONS Chairperson: P. Šegedin

10¹⁵ ANĐELKA M. TONEJC, Igor Đerđ, Antun Tonejc, Mirjana Bijelić, Nikola Radić
HRTEM and XRD Profile Analysis of Tungsten Thin Films

10²⁵ JASMINKA POPOVIĆ, Biserka Gržeta, Emilija Tkalčec, Christian Goebbert, Vadim Ksenofontov
Interstitial Oxygen in Nanocrystalline Sn-Doped Indium Oxide

10³⁵ KAROLINA SCHWENDTNER, Uwe Kolitsch, Ekkehart Tillmanns
 $M^{1+}_3M^{3+}_2(HAs_2O_7)_3 \cdot x(H_3AsO_4)$ ($M^{1+}, M^{3+} = NH_4, Al / Rb, Al / Tl, Ga; x=0.75/1$)
A Novel Structural Type With Large Channels Hosting M^{1+} - Cations and Arsenic Acid

10⁴⁵ MICHEL FLECK, Petra Becker, Ladislav Bohaty, Peter Held, J Monteagudo, Ekkehart Tillmanns
Physical Properties of Glycine Zinc Chloride Compounds

11⁰⁵ KREŠIMIR MOLČANOV, Biserka-Kojić-Prodić, Ines Vujasinović, Kata Mlinarić-Majerski
Tubular Assemblies of Macrocyclic Thialactones

11¹⁵ ZORAN ŠTEFANIĆ, Vlasta Tomašić
Some Peculiar Properties of Cholic Acid as a Host Molecule

11²⁵ VLADIMIR STILINOVIĆ, Branko Kaitner
A Disordered Racemic Crystal of Trispivaloylmethane

LUNCH BREAK

AFTERNOON

Conference trip

15⁰⁰ The guided trip by bus is organised for all participants to visit the protocolar object of Slovenian government Brdo, where U.S. President George W. Bush and his Russian counterpart Vladimir Putin met for the first time on 16th June 2001!!! After the stroll on the premises of Brdo small refreshments and coffee will be served at Hotel Kokra. The departure will be from the Hotel Planinka.

21⁰⁰

"Descent on Skis from Mt. Everest"

Presentation by Davo Karničar

Mr. Davo Karničar, of Jezersko, Slovenia, accomplished an uninterrupted ski descent from the top of the world's highest mountain, Mount Everest (8848m) to the base camp (5430m) in October 2000.

SATURDAY, June 17, 2006

9⁰⁰

PLENARY LECTURE

Chairperson:

S. Popović

GORAN ŠTEFANIĆ

The Formation of High-Temperature ZrO₂ Polymorphs at Room Temperature

10⁰⁰

COFFEE BREAK

ORAL PRESENTATIONS

Chairperson:

D. Matković-Čalogović

A. Pevec

10¹⁵

PETER STRAUCH, Matthias Siebold, Uwe Schilde

Dithiooxalato - and Dithiosquaratometalates As Diamagnetic Hosts - Structure and EPR

10³⁵

BOJAN KOZLEVČAR, Nives Kitanovski, Andrej Pevec

Crystal Structures of Copper(II) Complexes with Ferulic Acid

10⁴⁵

BERISLAV PERIĆ, M Jurič, Gerald Giester, Damir Pajić, Krešo Zadro, Pavica Planinić, Nevenka Brničević

Compounds With Oxalate-Bridged Dinuclear Cu^{II}-Cu^{II} and Cu^{II}Nb^V Units: Structures and Magnetism

10⁵⁵

MARIO CETINA, Draginja Mrvoš-Sermek, Ante Nagl, Vedran Krištafor, Mladen Mintas

Crystal Structure Study of Two (E)-(4-phthalimido-2-buten-1-yl)pyrimidine derivatives

11⁰⁵

ERNEST MEŠTROVIĆ, Dejan-Krešimir Bučar, Aleksandar Danilovski

Organic Sulfonate Salts of Aminocyclic Acids

BREAK

11⁴⁰

MILAN MELNIK

Stereoisomers of Platinum Coordination Complexes

12⁰⁰

BARBARA MODEC, Jurij V. Brenčič

Structural Properties of a Series of Oxotungsten Species

12¹⁰

NINA LAH, Ivan Leban

Copper(II) Dicarboxylates With 3-aminopyridine

- 17¹⁵ **IVICA ĐILOVIĆ, Dubravka Matković-Čalogović, Ivan Kos, Mladen Biruš, Milena Jadrijević Mladar-Takač**
Crystal and Molecular Structures of Hydroxamic Acid Derivatives
- 17²⁵ **Vukadin M. Leovac, Vladimir Divjaković, Andrej Pevec, IVAN LEBAN, Thomas Armbruster**
Nickel(II) Complexes with Pyridoxal semi-(PLSC) and Thiosemicarbazone (PLTSC).
Crystal and Molecular Structure of $[\text{Ni}(\text{PLSC})(\text{H}_2\text{O})_3](\text{NO}_3)_2$ and $[\text{Ni}(\text{PLTSC-H})\text{py}]\text{NO}_3$
- 17³⁵ **Andrej Pevec, Ivan Leban, VUKADIN M. LEOVAC, Vladimir Divjaković**
Synthesis and Crystal Structures of the Octahedral Complexes $[\text{Ni}(\text{H}_2\text{L}=(\text{H}_2\text{O})_3)\text{Cl}_2$ and $[\text{Ni}(\text{H}_2\text{L})(\text{H}_2\text{O})_2]\text{Cl}_4$ (H_2L =pyridoxal semicarbazone)

At the end of this section

CLOSING REMARKS

Chairpersons: S. Popović
I. Leban

20⁰⁰ FAREWELL DINNER

For accompanying persons:

No special programme is planned for accompanying persons, but there are numerous walks possible at the plateau of Jezersko, some of them are here (the time is estimated for one direction only) :

- Waterfall Čedca 130 m - the highest Slovenian waterfall, 40 minutes
- Ankas' waterfalls - 50 minutes
- Spring of mineral water - 30 minutes
- Češka Hut (1543 m) typical Slovenian mountain hut-2 hours, demanding !
- Virnikov Grintovec (1654 m) sediment rocks - 2 hours
- Goli Vrh (1787 m), 2,5 hours, demanding !
- Tufa Mine, 50 minutes
- Old Church, 25 minutes
- Jenko Military Barrack from Napoleon's time - 45 minutes

and various other destinations.

Please, ask in the hotel for details.