СРПСКО КРИСТАЛОГРАФСКО ДРУШТВО

SERBIAN CRYSTALLOGRAPHIC SOCIETY

XXX КОНФЕРЕНЦИЈА
СРПСКОГ КРИСТАЛОГРАФСКОГ ДРУШТВА

Програм

30th CONFERENCE OF THE
SERBIAN CRYSTALLOGRAPHIC SOCIETY

Program

Београд – Belgrade
2026.

Thursday, June 25

08:30 - 09:00

REGISTRATION & WELCOME

Participant registration, conference materials, badge collection and networking.

09:00 - 09:10

OPENING REMARKS

Prof. Dr. Tamara Todorović
President of the Serbian Crystallographic Society

Assoc. Prof. Dr. Dušan Veljković
Vice-President of the Society / Chair of the Organizing Committee

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09:10 - 09:20

IN MEMORIAM TO DR. ANNE B. SPASOJEVIĆ-DE BIRÉ

A tribute by Dr. Slađana Novaković

09:20 - 09:45

OPENING LECTURE (HONORARY LECTURE)

Chairperson: Dr. Sabina Kovač

Prof. Dr. Ljiljana Karanović
University of Belgrade, Faculty of Mining and Geology, Serbia

THE JUBILEE 30TH CONFERENCE OF THE SERBIAN CRYSTALLOGRAPHIC SOCIETY

09:45 - 10:30

PLENARY LECTURE

Chairperson: Dr. Nemanja Trišović

Dr. Anna Hoser
Faculty of Chemistry University of Warsaw, Warszawa, Poland

BRIDGING EXPERIMENT AND THEORY: DYNAMIC QUANTUM CRYSTALLOGRAPHY FOR EXPLORING POLYMORPHISM

10:30 - 11:00

COFFEE BREAK & NETWORKING

11:00 - 11:45

PLENARY LECTURE

Chairperson: Dr. Dušan Veljković

Dr. Ildikó Cora
HUN-REN Centre for Energy Research, Institute of Technical Physics and Materials Science, Budapest, Hungary

STRUCTURAL CHARACTERIZATION OF PHASE TRANSFORMATIONS IN GALLIUM OXIDE BY TRANSMISSION ELECTRON MICROSCOPY

11:45 - 12:15

INVITED LECTURE

Chairperson: Dr. Ivana Veljković

Dr. Vesna Ribić
Jožef Stefan Institute, Department for Nanostructured Materials, Ljubljana, Slovenia

INTERFACE STRUCTURE OF HOMOEPITAXIAL RUTILE FIBERS

12:15 - 13:00

ORAL PRESENTATIONS

Chairperson: Dr. Danijela Kretić

12:15–12:30
Marko V. Rodić, Mlica G. Bogdanović, Vidak Raičević, Guido J. Reiss, Irina S. Konovalova
LAYER SIMILARITY IN THE ANHYDROUS AND HYDRATED CRYSTAL FORMS OF QUINUCLIDINONE THIOSEMICARBAZONE: INSIGHTS FROM CRYSTAL PACKING AND INTERMOLECULAR INTERACTION ENERGY ANALYSIS

12:30–12:45
Nikola Jakupec, Michael Bodensteiner, Krešimir Molčanov
PROTONATED POLYCYANOMETALLATES AS FACILITATORS OF O···π INTERACTIONS, AN EXAMINATION OF MODIFIED 2,3-DICHLORO-5,6-DICYANO-*p*-BENZOQUINONE AND ITS NONCOVALENT INTERACTIONS

12:45–13:00
Andrej Dedić, Goran Bogdanović, Slađana Novaković
BENZENE AT THE LIMIT OF CH/π INTERACTIONS: CSD AND DFT STUDY

13:00 - 14:00

LUNCH BREAK

14:00

EXCURSION

Excursion to the Archaeological Site Vinča
Departure by bus from the conference venue

Friday, June 26

09:00 - 09:45

PLENARY LECTURE

Chairperson: Dr. Marko Rodić

Dr. Guido Reiss
Faculty of Mathematics and Natural Sciences, Heinrich-Heine University Düsseldorf, Düsseldorf, Germany

TOO SYMMETRIC TO BE TRUE: PSEUDOSYMMETRY IN CRYSTAL STRUCTURE DETERMINATION

09:45 - 10:30

PLENARY LECTURE

Chairperson: Dr. Jelena Rogan

Dr. Emil Božin
Center for Solid State Physics and New Materials, Institute of Physics Belgrade, Belgrade, Serbia

ULTRAFAST PDF: REVEALING HIDDEN NON-EQUILIBRIUM STATES IN QUANTUM MATERIALS

10:30 - 11:00

COFFEE BREAK

11:00 - 11:30

SPONSOR PRESENTATION

11:30 - 11:45

GROUP PHOTO

11:45 - 12:45

ORAL PRESENTATIONS

Chairperson: Dr. Vesna Medaković

11:45–12:00
Dimitrije Mara, Frankline Keming Ndula, Zhiwang Cai, Flavia Artizzu, Thierry Verbiest, Rik Van Deun
RELATIONSHIP BETWEEN STRUCTURAL PROPERTIES ON LUMINESCENT PROPERTIES OF LnMOFs

12:00–12:15
Andrej Milivojac, Aleksandar Višnjevac, Jasminka Popović, Tamara Todorović
CRYSTAL CHEMISTRY OF COBALT ZEOLITIC IMIDAZOLATE FRAMEWORKS BASED ON 4,5-DISUBSTITUTED IMIDAZOLE LINKERS

12:15–12:30
Nikola D. Radnović, Marko V. Rodić, Svetlana K. Belošević, Vukadin M. Leovac
CRYSTAL STRUCTURES OF NEW Co(II) AND Ni(II) COMPLEXES WITH PYRIDOXAL SEMICARBAZONE

12:30–12:45
Lidija Radovanović, Dušan Malenov, Marko Rodić, Jelena Rogan
INFLUENCE OF POLYCARBOXYLATE LIGAND TOPOLOGY ON THE ARCHITECTURE OF Co(II) COMPLEXES

12:45 - 14:00

LUNCH BREAK

Parallel Event

Assembly of the Serbian Crystallographic Society (members only)

14:00 - 14:45

PLENARY LECTURE

Chairperson: Dr. Mirjana Radanović

Dr. Irina Konovalova

SSI "Institute for Single Crystals", National Academy of Sciences of Ukraine, Kharkiv, Ukraine

RETHINKING CRYSTAL STRUCTURE ANALYSIS: BEYOND GEOMETRY

14:45 - 15:30

ORAL PRESENTATIONS

Chairperson: Dr. Slađana Novaković

14:45–15:00

Božidar Nikolić

ELECTRON-PHONON COUPLING IN KAGOME LATTICE: SYMMETRY-BASED ANALYSIS

15:00–15:15

Slađana Đorđević, Katarina A. Ćeranić, Filip Stašević, Dušan P. Malenov

EMPOWERING CHEMISTRY STUDENTS TO DISCOVER NONCOVALENT INTERACTIONS VIA THE CAMBRIDGE STRUCTURAL DATABASE – CSD4NCI WORKSHOP

15:15–15:30

Vuk Radmilović

HOW SILVER NANOWIRES WELD: A CORRELATIVE 3D TOMOGRAPHY AND 4D-STEM STUDY OF JUNCTION FORMATION

15:30 - 17:00

POSTER SESSION & COFFEE BREAK

17:00 - 18:30

WORKSHOP SESSION

Ilaria Gimondi

Education and Outreach Officer at CCDC - The Cambridge Crystallographic Data Centre, London, United Kingdom

Venue: University of Belgrade – Faculty of Chemistry

18:30 - 19:00

CLOSING CEREMONY

Closing remarks

Awards for Best Poster and Best Oral Presentation

20:00

CONFERENCE DINNER

19:30 Gathering in front of Ilija M. Kolarac Endowment and walk to the venue

Kalemegdanska terasa restaurant

Poster Presentations

P01 **Jovana Araškov, Aleksandar Višnjevac, Tatjana Srdić-Rajić, Tamara Todorović, Nenad Filipović**
MONONUCLEAR Zn(II) HYDRAZONYL-THIAZOLE COMPLEX: TRANSFORMATION INTO A 1D COORDINATION POLYMER, STRUCTURE ANALYSIS AND CYTOTOXICITY

P02 **Miljan Bigović, Dušan Veljković, Jelena Petrović, Ivana Veljković**
WEAK C–H···O INTERACTIONS INVOLVING PERTECHNETIC ACID: INSIGHTS FROM CRYSTAL STRUCTURES AND QUANTUM-CHEMICAL CALCULATIONS

P03 **Milica G. Bogdanović, Milan S. Nešić, M. Lozinšek, Niko S. Radulović, Marko V. Rodić**
A STUDY OF α-IMINOAMIDINES: INSIGHTS INTO CRYSTAL PACKING BASED ON HIRSHFELD ATOM REFINEMENT AND INTERMOLECULAR INTERACTION ENERGIES

P04 **Andrej Milivojac, Aleksandar Višnjevac, Jasminka Popović, Tamara Todorović**
INTERPLAY OF Cu(II) COORDINATION FLEXIBILITY AND SOLVENT COORDINATION IN A LAYERED ZIF WITH 4,5-DICHLOROIMIDAZE

P05 **Branislava Vučetić, Andrijana Žekić, Milica Milojević, Biljana Maksimović**
FORMATION OF CRYSTAL STRUCTURES IN EVAPORATING *KDP* SESSILE DROPLETS – SUBSTRATE EFFECTS

P06 **Aleksandra B. Đunović, Hristina Gospodinović, Dušan Ž. Veljković**
INFLUENCE OF THE PRESENCE OF DIHALOAMINE SUBSTITUENTS ON THE HIGH-ENERGY PROPERTIES OF NITROAROMATIC MOLECULES

P07 **Goran V. Janjić, Petar Stanić, Katarina Miletić, Ivana Veljković, Marija Petković Benazzouz**
GEOMETRICAL ADAPTABILITY OF AROMATIC F···O INTERACTIONS

P08 **Mima Jevtović, Milica Savić, Marija Pavlović, Matija Zlatar**
STRUCTURAL AND SPECTROSCOPIC CHARACTERIZATION OF A TETRANUCLEAR Cd(II) AZIDO COMPLEX WITH A SEMICARBAZONE LIGAND

P09 **Danijela Luković Golić, Nataša Jović Orsini, Aleksandar Radojković**
THE CRYSTAL STRUCTURE OF MULTIFERROIC $Bi_{0.9}RE_{0.1}FeO_3$ (RE=La, Nd, Gd, Tb, Ho) CERAMICS

P10 **Marija Kaluđerović, Miljan Bigović, Ivana S. Veljković, Dušan Ž. Veljković**
THEORETICAL STUDY OF S···S AND Se···Se INTERACTIONS IN CRYSTAL STRUCTURES OF METALLIC SULFIDES AND SELENIDES

P11 **Ana Kandić, Stefan Nikolić, Jelena Poljarević, Antoine Dupé, Ljiljana Mihajlović**
COMPARATIVE STRUCTURAL STUDY OF OXIDORHENIUM(V) COMPLEXES WITH APIGENIN AND BENZYL-APIGENIN

P12 **Sanja B. Kokanov, Aleksandar Višnjevac, Tamara Todorović, Nenad Filipović**
SYNTHESIS AND CRYSTALLOGRAPHIC ANALYSIS OF Cd(II) COMPLEXES WITH A THIAZOLYL HYDRAZONE LIGAND

P13 **Danijela Kretić, Dušan Ž. Veljković**
STRUCTURAL FACTORS AND THEIR INFLUENCE ON THE STRENGTH OF HYDROGEN BONDS IN THE CRYSTAL STRUCTURES OF ACETYLSALICYLIC ACID

P14 **Jelena Lađarević, Lidija Radovanović, Bojan Božić, Aleksandra Mašulović, Nemanja Trišović, Jelena Rogan, Dušan Mijin**
CRYSTAL STRUCTURES OF SELECTED AZO PYRIDONE DYES

P15 **Anita Lazić, Lidija Radovanović, Jelena Rogan, Olivier Jeannin, Franck Camerel, Sergi Burguera, Antonio Frontera, Nemanja Trišović**
RELATIONSHIP BETWEEN THE MOLECULAR AND SUPRAMOLECULAR STRUCTURE IN SELECTED SPIROHYDANTOINS

P16 **Milenko M. Bunović, Katarina A. Ćeranić, Dušan P. Malenov**
STACKING INTERACTIONS OR HYDROGEN BONDS? CRYSTALLOGRAPHIC AND QUANTUM CHEMICAL STUDY OF TRIAZINE DIMERS

P17 **Vesna B. Medaković, Ivana S. Veljković, Dušan Ž. Veljković**
DIFFERENCES IN CRYSTAL STRUCTURE GEOMETRIES AFFECT HOMO–LUMO GAP VALUES OF NITROAROMATIC MOLECULES

P18 **Mirjana Milić, Biljana Dojčinović, Bratislav Antić**
HYDROLYTIC STABILITY OF VARIOUS ZIF-8 STRUCTURES FOR ARSENIC REMOVAL FROM NATURAL WATERS

P19 **Natalija Milojković, Bojana Simović, Lidija Radovanović, Goran Branković, Jelena Gulicovski, Aleksandra Dapčević**
SYNTHESIS AND CHARACTERIZATION OF CHITOSAN-MODIFIED α-Bi_2O_3 ADSORBENT

P20 **Jelena Mitrović, Matejka Podlogar, Milica Počuča-Nešić, Olivera Zemljak, Aleksandar Malešević, Aleksandar Radojković, Tina Radošević, Mojca Otoničar, Zorica Branković, Goran Branković**
SYNTHESIS AND CHARACTERIZATION OF THE INDIUM DOPED BARIUM STANNATE OBTAINED BY COLD SINTERING TECHNIQUE

P21 **Slađana Novaković, Andrej Dedić, Ivan Juranić, Goran Bogdanović**
STRUCTURAL AND CHARGE DENSITY FEATURES OF AN *α,β*-UNSATURATED CARBONYL ACID

P22 **Bojana V. Pantović, Tina P. Andrejević, Marta Počkaj, Violeta R. Marković, Darko P. Ašanin, Nevena Lj. Stevanović, Biljana Đ. Glišić**
CRYSTAL STRUCTURE OF SILVER(I) COMPLEX WITH *N*-BENZYLTHIABENDAZOLE

P23 **Bojana V. Pantović, Darko P. Ašanin, Tina P. Andrejević, Nevena Lj. Stevanović, Nenad S. Drašković, Miloš I. Djuran, Biljana Đ. Glišić**
CRYSTAL STRUCTURE OF A NICKEL(II) COMPLEX WITH 2-HYDROXY-1,3-PROPANEDIAMINE-*N,N,N',N'*-TETRAACETATE

P24 **Marija Pavlović, Mima Jevtović, Maja Šumar Ristović, Božidar Čobeljić**
SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF A DINUCLEAR AZIDO-BRIDGED NICKEL(II) COMPLEX WITH 2-ACETYLTHIAZOLE SEMICARBAZONE

P25 **Biljana Pećanin, Slavica Maletić, Nataša Jović Orsini, Dragana Grujić, Branka Ružičić, Manja Kurečič, Alen Erjavec, Blanka Škipina**
STRUCTURAL INSIGHTS INTO MICRO- AND NANO-$SrTiO_3$ POWDERS AND THEIR ROLE AS FILLERS IN POLYMER COMPOSITES

P26 **Tamara A. Petrović, Ana Kandić, Jana Timotijević, Ljiljana E. Mihajlović, Stefan R. Nikolić, Antoine Dupé, Jelena M. Poljarević**
MODULATING RHENIUM(V) CATALYSTS THROUGH LIGAND STRUCTURAL MODIFICATIONS

P27 **Marijana S. Regojević, Milica G. Bogdanović, Mirjana M. Radanović**
STRUCTURE OF A NOVEL Ni(II) COMPLEX WITH A TETRAIMINE DERIVATIVE OF 2,6-DIACETYLPYRIDINE

P28 **Aleksandra Đurđević Đelmaš, Danilo Trajković, Milica Radibratović, Jovana Rakonjac, Karla Milčić, Miloš Milčić**
PFAS AS POTENTIAL MODULATORS OF HUMAN HEMOGLOBIN FUNCTION

P29 **Marijana S. Regojević, Marko V. Rodić, Mirjana M. Radanović**
Cu(I)/Cu(II) MIXED-VALENCE COMPLEX WITH 2,6-DIACETYLPYRIDINE-BIS(PHENYLHYDRAZONE)

P30 **Aleksander Rečnik, Vesna Ribić, Zsombor Molnár, Péter Pekker, Péter Németh, István Dódony, Mihály Pósfai, Pavel N. Gavryushkin**
THE ORIGIN OF SUPERSTRUCTURE REFLECTIONS IN BIOGENIC, GEOLOGICAL, SPELEOTHEM, AND SYNTHETIC ARAGONITE

P31 **Vesna Ribić, Ivana S. Veljković, Dušan Ž. Veljković**
C-H/O-M INTERACTIONS BETWEEN AROMATIC C-H DONORS AND OXYGEN-CONTAINING LIGANDS

P32 **Predrag Ristić, Veljko Đokić, Jasminka Popović, Nenad Filipović, Tamara Todorović**
SYNTHESIS, CRYSTALLOGRAPHIC ANALYSIS, AND PHOTOCATALYTIC ACTIVITY OF Ag(I) COORDINATION POLYMERS WITH THIOMORPHOLINE- AND PIPERAZINE-BASED LIGANDS

P33 **Milica Savić, Mima Jevtović, Matija Zlatar, Božidar Čobeljić**
COMPARATIVE BIOLOGICAL ACTIVITY OF Mn(II) AND Zn(II) HYDRAZONE COMPLEXES

P34 **Snežana Selaković, Milica Savić, Maja Gruden, Maja Šumar Ristović**
FORMATION OF A MONONUCLEAR NICKEL(II) COMPLEX WITH 2-ACETYLTHIAZOLE SEMICARBAZONE

P35 **Nevena Stevanović, Mima Jevtović, Teodora Vitomirov, Maja Gruden**
STRUCTURAL ELUCIDATION OF AN AZIDE-BRIDGED DINUCLEAR COBALT(III) COMPLEX WITH A SEMICARBAZONE LIGAND

P36 **Ivan Stefanović, Jasna Džunuzović, Enis Džunuzović, Carla Marega**
XRD STUDY OF THE POLYURETHANE/TiO_2 NANOCOMPOSITES

P37 **Pavle Tančić, Marko Rodić, Aleksandar Kremenović, Ljiljana Karanović**
INDICATORS OF THE STRUCTURAL DISSYMETRIZATION OF THE $Grs_{58–64}Adr_{36–41}Sps_2$ GRANDITE DETERMINED WITH THE SINGLE CRYSTAL X-RAY DIFFRACTION METHOD

P38 **Željko Jaćimović, Zoran D. Tomić, Franc Perdih, Milica Vujić**
SUPRAMOLECULAR FEATURES OF THE CRYSTAL STRUCTURES OF $[Mn(OAc)_2L_4]$ (L = 4-METHYLPYRAZOLE) AND RELATED COMPOUNDS

P39 **Aleksandra Đurđević Đelmaš, Danilo Trajković, Milica Radibratović, Dragan Ninković, Karla Milčić, Miloš Milčić**
ANALYSIS OF PFAS BINDING TO HUMAN α2-MACROGLOBULIN: THE ROLE OF A FUNCTIONALLY RELEVANT CYSTEINE RESIDUE

P40 **Kristina Gak Simić, Aleksandra Mašulović, Lidija Radovanović, Nemanja Trišović, Olivier Jeannin, Franck Camerel, Ivana Đorđević**
SUPRAMOLECULAR ORGANIZATION OF A LIQUID-CRYSTALLINE AZOPYRIDINE DERIVATIVE

P41 **Marija Šuljagić, Ljubica Anđelković, Vukosava Živković Radovanović, Aleksandar Kremenović, Vladimir Pavlović, Miloš Ognjanović**
INFLUENCE OF SYNTHESIS PARAMETERS ON STRUCTURAL AND ANTIBACTERIAL PROPERTIES OF α-Bi_2O_3 PARTICLES

P42 **Teodora Vitomirov, Mima Jevtović, Nevena Stevanović, Maja Šumar Ristović**
THIOCYANATE-ASSISTED FORMATION OF A MONONUCLEAR NICKEL(II) COMPLEX WITH A 2-ACETYLTHIAZOLE SEMICARBAZONE: SYNTHESIS, CRYSTAL STRUCTURE AND IR ANALYSIS