

THURSDAY, June 19, 2014

10⁰⁰ **REGISTRATION OF PARTICIPANTS**

10⁴⁵ **OPENING REMARKS**

Chairpersons: S. Popović
A. Meden

MORNING SESSION

11⁰⁰ **PLENARY LECTURE**

Chairperson: A. Meden

IVANA RADOSAVLJEVIĆ EVANS

STRUCTURAL CHEMISTRY OF FUNCTIONAL MATERIALS: MOBILITY
IN THE SOLID STATE

12⁰⁰ **WELCOME DRINKS**

LUNCH BREAK

AFTERNOON SESSION

15⁰⁰ **PLENARY LECTURE**

Chairperson: M. Kasunič

JOHN S. O. EVANS

FUNCTIONAL INORGANIC MATERIALS: SYNTHESIS, STRUCTURE,
PROPERTIES AND METHODS DEVELOPMENT

16⁰⁰ **COFFEE BREAK**

ORAL PRESENTATIONS

Chairpersons: M. Trdin
D. Matković-Čalogović

- 16³⁰ **Stanko Popović**
NIKOLA TESLA AND THE DISCOVERY OF X-RAYS
- 16⁴⁵ **Marcus J. Winter**
ADVANCES IN X-RAY CRYSTALLOGRAPHY
- 17⁰⁵ **Maja Vidmar, Srečo D. Škapin, Danilo Suvorov, Anton Meden, Amalija Golobič**
STRUCTURAL INVESTIGATION OF SOLID SOLUBILITY BETWEEN La_2TiO_5
AND $\text{CaLa}_{4/3}\text{TiO}_5$
- 17¹⁵ **Marko Nuskol, Suraj Mal, Jasminka Popović, Bojan Kozlevčar, Igor Djerdj**
CITRATE ROUTE TO MULTIFUNCTIONAL COMPLEX METAL TELLURATES:
FIRST RESULTS
- 17²⁵ **Peter Strauch, Mike Neumann**
1, 2-DICHALKOGENOMETALATES - FROM STRUCTURE TO MATERIALS
- 17⁴⁰ **BREAK**
- 18⁰⁰ **Krištof Kranjc, Žiga Štirn, Franc Perdih, Marijan Kočever**
TWO COMPLEMENTARY APPROACHES TOWARDS ASYMMETRIC
EXO,ENDO-BICYCLO[2.2.2]OCTENE DERIVATIVES
- 18¹⁰ **Ognjen Milat**
COMMENSURATE APPROXIMANTS FOR INCOMMENSURATE STRUCTURE OF
[(Ca/Sr)₂Cu₂O₃]_{1/2}CuO₂ COMPOSITE CRYSTAL
- 18²⁵ **Willfried Gille**
SMALL-ANGLE SCATTERING OF SPHERES: RESULTS FOR SMALL VOLUME
FRACTIONS AND SPECIAL PAIR CORRELATIONS
- 18³⁵ **Krešimir Molčanov, Biserka Kojić-Prodić, Christian Jelsch, Slimane Dahaoui, Emmanuel Wenger, Claude Lecomte, Jernej Stare, Ana Šantić**
X-RAY CHARGE DENSITY STUDY OF FACE-TO-FACE STACKING OF
QUINOID RINGS
- 18⁵⁵-19⁰⁵ **Željko Skoko, Dean Popović, Jasminka Popović, Krešimir Molčanov, Stanko Popović**
JUMPING CRYSTALS - A CASE OF
4-HYDROXY-N'-ISOPROPYLIDENEBENZOHYDRAZIDE

FRIDAY, June 20, 2014

MORNING SESSION

9⁰⁰

PLENARY LECTURE

Chairperson: S. Popović

MARIJANA ĐAKOVIĆ, ZORA POPOVIĆ

FROM MOLECULAR STRUCTURE TO CRYSTALLINE SOLIDS: NON-COVALENT INTERACTIONS AS A STRUCTURE DIRECTING FORCE IN SUPRAMOLECULAR ASSEMBLIES

10⁰⁰

COFFEE BREAK

AFTERNOON

Conference trip around Logar Valley.

SATURDAY, June 21, 2014

MORNING SESSION

9⁰⁰ **PLENARY LECTURE** Chairperson: M. Cetina

TONČI BALIĆ-ŽUNIĆ
CRYSTALLOGRAPHY IN MINERALOGY IN THE XXI CENTURY

10⁰⁰ **COFFEE BREAK**

ORAL PRESENTATIONS Chairpersons: A. Golobič
K. Molčanov

10²⁰ **Tamara Đorđević, Gerald Giester, Astrid Wittwer**
MINERAL-LIKE ARSENATES: STRUCTURAL AND SPECTROSCOPIC STUDY OF
 $Mg_{13.19}(OH)_6(H_{0.27}AsO_4)_6(HAsO_4)_2$

10³⁰ **Marta Kasunič, Nives Kitanovski**
CRYSTAL STRUCTURES OF $[M^{II}(BDMPZA)_2] \cdot 3H_2O$ (M=Mn, Fe; BDMPZA=
BIS(3,5-DIMETHYLPYRAZOL-1-YL)ACETATE)

10⁴⁰ **Andrej Pevec, Polona Rudolf, Janez Košmrlj**
THREE-DIMENSIONAL INTERPENETRATING COORDINATION POLYMER
SELF-ASSEMBLED BY HEXAMETHYLENETETRAMINE AND DICOPPER SPACER

10⁵⁰ **Saša Petriček, Zala Gombač**
COMPLEXES OF COBALT(II) CHLORIDE WITH 3-HYDROXYPYRIDIN-2-ONE

11⁰⁰ **Nina Lah, Katja Lapanje**
Cu(II) COMPLEXES WITH ITACONIC ACID

11¹⁰ **Barbara Modec**
CRYSTAL STRUCTURES OF TWO CHROMIUM(III) COMPLEXES

11²⁰ **BREAK**

11³⁰ **Katja Traven, Jakob Kljun, Jure Bezenšek, Branko Stanovnik, Iztok Turel**
NEW RUTHENIUM(II) COMPOUNDS WITH *N,N*-DONOR LIGANDS

- 11⁴⁰ **Sara Seršen, Jakob Kljun, Iztok Turel**
RUTHENIUM COMPLEXES WITH FLUORINATED β -DIKETONATES AND CROWN THIOETHER
- 11⁵⁰ **Tanja Koleša Dobravec, Anton Meden, Franc Perdih**
ZINC COMPLEXES WITH 6-[(3-PYRIDINYLAMINO)CARBONYL]PYRIDINE-2-CARBOXYLIC ACID
- 12⁰⁰ **Miha Trdin, Nina Lah**
WORLD OF SMALL CHANGES: NICKEL, DICARBOXYLIC ACIDS AND SIMPLE PYRIDINE ALCOHOLS
- 12¹⁰ **Mario Cetina, Zoran Štefanić, Janja Makarević, Afërdita Nura-Lama**
INTERMOLECULAR INTERACTIONS IN DIHYDROPYRIMIDINE DERIVATIVES FORM TWO-DIMENSIONAL AND THREE-DIMENSIONAL NETWORKS
- 12²⁰-12³⁰ **Masoumeh Tabatabaee, Dariush Farhadi, Behrooz Notash**
A ONE-DIMENSIONAL COORDINATION POLYMER OF ZINC(II) WITH 2-AMINOPYRIMIDINE

LUNCH BREAK

AFTERNOON SESSION

- 15⁰⁰ **PLENARY LECTURE** Chairperson: N. Lah
- GREGOR GUNČAR, MATEVŽ KORENČ, MATEVŽ AMBROŽIČ**
A STRUCTURAL VIEW OF NANOBODIES

- 16⁰⁰ **COFFEE BREAK**

- ORAL PRESENTATIONS** Chairpersons: S. Petriček
I. Djerdj

- 16²⁰ **Ivica Đilović, Dubravka Matković-Čalogović, Krunoslav Užarević**
HOW THE AMBIDENTATE THIOCYANATE ANION TEMPLATES THE BINDING SITE IN FLEXIBLE RECEPTORS?

- 16⁴⁰ **Anita Blagus Garin, Tanja Koleša Dobravec, Anton Meden, Franc Perdih**
ZINC(II) COMPLEXES WITH DERIVATED DIPICOLINATO LIGAND AS
POTENTIAL INSULINOMIMETIC AGENTS
- 16⁵⁰ **Amalija Golobič, Marta Kasunič, Fedja Marušič, Primož Šegedin**
STRUCTURE OF TRIS(PYRIDINE)COPPER(II) METHANOATE AND ITS
CONVERSION TO A HYDRATE OF BIS(PYRIDINE)COPPER(II) METHANOATE
- 17⁰⁰ **Matjaž Kristl, Brina Dojer, Amalija Golobič**
CRYSTAL STRUCTURES OF NOVEL HYDROXYLAMMONIUM FLUORO
COMPLEXES OF MANGANESE AND SCANDIUM
- 17¹⁰ **Nuša Hojnik, Matjaž Kristl, Amalija Golobič, Zvonko Jagličić, Miha Drofenik**
CONTROLLED SYNTHESIS OF WATER-SOLUBLE LANTHANIDE COMPLEXES
WITH POSSIBLE APPLICATIONS

17²⁰ **BREAK**

- 17⁴⁰ **Brina Dojer, Andrej Pevec, Ferdinand Belaj, Matjaž Kristl**
CRYSTAL STRUCTURES OF Zn(II) ACETATES WITH 3- AND
4-AMINOPYRIDINE
- 17⁵⁰ **Vladimir Stilinović, Branko Kaitner**
ANION TEMPLATED ASSEMBLY OF TRIBENZYLAMMONIUM CATIONS
- 18¹⁰ **Mirela Dragomir, Matic Lozinšek**
PAIRING SULFAMIC ACID WITH POLYCYCLIC AMINES
- 18²⁵ **Matic Lozinšek, Mirela Dragomir**
HYBRID FLUORIDOOXIDOVANADIUM(V) AND
AQUACHLORIDOOXIDOVANADIUM(IV) COMPOUNDS
- 18⁴⁰ **Vjera Novosel-Radović, Nikol Radović, Franjo Šafar**
MICROSTRUCTURAL CHANGES IN THE WELDED TUBE
- 18⁵⁰ **Stanko Popović, Antun Tonejc, Milica Mihaljević**
ENGLISH-CROATIAN DICTIONARY OF CRYSTALLOGRAPHY

19⁰⁵ **CLOSING REMARKS**

Chairpersons: S. Popović
I. Leban

20⁰⁰ **FAREWELL DINNER**