

## THURSDAY, June 20, 2019

9<sup>00</sup> - 10<sup>00</sup> **REGISTRATION OF PARTICIPANTS**

10<sup>00</sup> **WELCOME COFFEE**

10<sup>30</sup> **OPENING REMARKS**

Chairpersons: A. Meden  
D. Matković-Čalogović

### **MORNING SESSION**

10<sup>45</sup> **PLENARY LECTURE**

Chairperson: A. Meden

**PETRA BOMBICZ**

SYNTHON / PROPERTY-ENGINEERING OF CALIXARENES  
(SUPRAMOLECULAR INTERACTIONS, SHAPE AND  
SYMMETRIES)

12<sup>00</sup> **LUNCH BREAK**

### **AFTERNOON SESSION**

15<sup>00</sup> **PLENARY LECTURE**

Chairperson: J. Popović

**MARTINA VRANKIĆ**

AMBIENT AND NON-AMBIENT DRIVEN X-RAY POWDER  
DIFFRACTION: INSIGHTS INTO THE STRUCTURE-PROPERTY  
RELATIONSHIP IN POWDERS

16<sup>00</sup> **COFFEE BREAK**

**ORAL PRESENTATIONS**

Chairpersons: S. Petriček  
N. Judaš

16<sup>30</sup> **Vladimir Stilinović, Nikola Bedeković**

COCRYSTALS OF *m*-HALOGENOPYRIDINES WITH  
*m*-HALOGENOBENZOIC ACIDS - CONTROLLING STRUCTURAL  
DISORDER BY HALOGEN BOND

16<sup>45</sup> **Marcus J. Winter**

RIGAKU: ADVANCES IN CRYSTALLOGRAPHY

- 17<sup>05</sup> **Mateja Pisačić, Marijana Đaković**  
CADMIUM(II) COORDINATION POLYMERS WITH  
PYRAZINAMIDE LIGAND DISPLAYING DIFFERENT DEGREE OF  
FLEXIBILITY
- 17<sup>15</sup> **Luka Repar, Franc Perdih, Krištof Kranjc**  
[4+2] CYCLOADDITIONS AS EFFICIENT SYNTHETIC  
PATHWAYS TOWARDS THE FORMATION OF  
BICYCLO[2.2.2]OCTENES
- 17<sup>25</sup> **Kristina Smokrović, Leon Poljanić, Ivica Đilović, Dubravka  
Matković-Čalogović**  
THIOCYANATOMETALLATE SALTS OF BETAINAMIDE  
DERIVATIVE WITH COBALT(II) AND NICKEL
- 17<sup>35</sup> **BREAK**
- 17<sup>55</sup> **Krištof Kranjc, Franc Perdih**  
ON ROUTE TO HALOGEN BOND DONORS:  
BICYCLO[2.2.2]OCTENE SKELETON FUNCTIONALIZED BY  
VARIOUS N-CONTAINING HETEROCYCLES
- 18<sup>05</sup> **Marta Počkaj**  
THREE NEW COMPOUNDS FROM REACTION MIXTURES WITH  
CoCl<sub>2</sub>·6H<sub>2</sub>O AND 2-PYRIDINEMETHANOL
- 18<sup>15</sup> **Aleksandar Meštrić, Nenad Judaš**  
ASSEMBLIES OF COPPER(II) CARBOXYLATES WITH O- AND  
N-DONORS
- 18<sup>25</sup> **Sebastijan Ričko**  
CHIRAL SPIROCYCLES
- 18<sup>35</sup>-18<sup>50</sup> **Rajamoni Jagan, D. Sathya, K. Sivakumar**  
HYDROGEN BONDED SUPRAMOLECULAR FRAMEWORKS AND  
INTERMOLECULAR INTERACTION ENERGY STUDIES ON  
SOME HYDROGEN MALATE SALTS

## FRIDAY, June 21, 2019

### MORNING

8<sup>45</sup> Conference trip to Open Air Museum Rogatec and Rogaška Glassworks.

13<sup>00</sup> **LUNCH BREAK**

### AFTERNOON SESSION

#### ORAL PRESENTATIONS

Chairpersons: F. Perdih  
K. Smokrović

16<sup>00</sup> Ivan Halasz  
CHEMICAL SENSE AND ACCURACY IN STRUCTURES OF  
SMALL MOLECULAR CRYSTALS SOLVED BY POWDER X-RAY  
DIFFRACTION

16<sup>20</sup> Saša Petriček  
COMPLEXES OF NICKEL(II) CHLORIDE AND PYRIDIN-2-ONE

16<sup>30</sup> Marijana Đaković, Mateja Pisačič  
FLEXIBILITY OF CRYSTALLINE MATTER: CRYSTALS OF  
COORDINATION POLYMERS WITH A VARIETY OF  
MECHANICAL RESPONSES

16<sup>45</sup> Jerneja Kladnik, Jakob Kljun, Iztok Turel  
X-RAY DIFFRACTION - AN IMPORTANT COMPLEMENTARY  
CHARACTERIZATION TOOL FOR IDENTIFYING INORGANIC  
IMPURITIES

17<sup>00</sup> Nikola Jakupec, Vladimir Stilinović  
HALOGEN BONDING IN COCRYSTALS OF  
HEXACYANOFERRIC(III) ACID AND HALOGENOPYRIDINES

17<sup>10</sup> **COFFEE BREAK**

17<sup>40</sup> Volodymyr Levytskyi, Volodymyr Babizhetskyy, Bogdan Kotur,  
Roman Gumeniuk  
NEW TERNARY CERIUM CHROMIUM CARBIDES

- 17<sup>50</sup> **Robert Katava, Sandra Kraljević Pavelić, Petra Grbčić, Gordana Pavlović**  
OXOVANADIUM(IV) AND DIOXOVANADIUM(V) COMPLEXES  
DERIVED FROM 2-BENZOTHAZOLYLHYDRAZONES AND  
PHENANTHROLINE: SYNTHESIS, CRYSTAL STRUCTURES AND  
ANTITUMOR ACTIVITY
- 18<sup>00</sup> **Matej Reberc, Anton Meden**  
MCC - A PARALLEL MONTE CARLO POWDER PATTERN  
INDEXING PROGRAM
- 18<sup>10</sup> **Nikola Bedeković, Vladimir Stilinović**  
PHOTO- AND TRIBOLUMINESCENCE IN COPPER(I)  
COMPLEXES WITH PYRIDINES AND TRIPHENYLPHOSPHINE
- 18<sup>20</sup> - 18<sup>35</sup> **Stanko Popović**  
ETYMOLOGY OF TERMS IN CRYSTALLOGRAPHY

**SATURDAY, June 22, 2019**

**MORNING SESSION**

9<sup>00</sup> **PLENARY LECTURE** Chairperson: K. Molčanov

**PIERO MACCHI**

ARE THERE MOLECULES IN CRYSTALS?

10<sup>00</sup> **COFFEE BREAK**

**ORAL PRESENTATIONS**

Chairpersons: M. Počkaj  
M. Cetina

10<sup>30</sup> **Andrej Pevec, Simon Bercko, Tadej Kobe**  
ACETILPYRIDINES AS CATIONS IN  
HEXAFLUORIDOTITANATES AND SILICATES

10<sup>40</sup> **Erik Uran, Vladimir Stilinović, Dominik Cinčić**  
HALOGEN BONDING IN COCRYSTALS OF PRIMARY  
DIAMINES WITH PERHALOGENATED BENZENES

10<sup>50</sup> **Teodoro Klaser, Oskar Stepančić, Jasminka Popović, Dubravka Matković-Čalogović, Željko Skoko**  
TEMPERATURE TUNING OF THERMOSALIENT PHASE  
TRANSITION IN ORGANIC ALLOYS OF  
1,2,4,5-TETRABROMOBENZENE AND  
1,2,4,5-TETRACHLOROBENZENE

11<sup>10</sup> **Vesna Zalar Serjun, Jasna Smolar, Ana Petkovšek, Ana Mladenović**  
CHARACTERIZATION OF MINERAL PHASES FORMED DURING  
THE HYDRATION OF DIFFERENT CLAYS

11<sup>25</sup> **Karla Kelemen, Kristina Smokrović, Ivica Đilović**  
COORDINATION PREFERENCES OF NITRATE ANIONS IN  
COMPLEXES WITH FLEXIBLE POLYAMINE RECEPTORS

11<sup>35</sup> **BREAK**

11<sup>45</sup> **Matic Šobak, Franc Perdih**  
THE PRESENCE OF ARGENTOPHILIC INTERACTIONS IN  
SILVER COMPLEXES WITH DIPICOLINATO LIGAND

11<sup>55</sup> Goran Štefanić  
PHASE DEVELOPMENT IN THE METASTABLE ZrO<sub>2</sub>-TiO<sub>2</sub> SOLID SOLUTIONS

12<sup>05</sup> Luka Fotović, Vladimir Stilinović  
SYNTHESIS AND STRUCTURE CHARACTERIZATION OF N, N'-ALKYL-BIS(HALOGENPYRIDINIUM) CATIONS AS NEW POTENTIAL POLYTOPIC HALOGEN BOND DONORS

12<sup>15</sup> - 12<sup>25</sup> Amalija Golobič, Natalija Klančnik, Jože Grdadolnik, Jernej Stare, Marta Klanjšek Gunde, Urban Novak, Dušan Hadži  
ON THE POLYMORPHYSM OF ACETYLENE DICARBOXYLIC ACID DIHYDRATE

## LUNCH BREAK

## AFTERNOON SESSION

15<sup>00</sup> **PLENARY LECTURE** Chairperson: A. Golobič

MATIC LOZINŠEK  
NOBLE-GAS CHEMISTRY IN THE 21<sup>ST</sup> CENTURY

16<sup>00</sup> **COFFEE BREAK**

**ORAL PRESENTATIONS** Chairpersons: A. Pevec  
I. Halasz

16<sup>30</sup> Krešimir Molčanov, Vedran Vuković, Valentina Milašinović, Lidija Kanižaj, Marijana Jurić  
A CRYSTALLOGRAPHER'S CABINET OF CURIOSITIES:  
UNUSUAL TI-HOLE INTERACTIONS

16<sup>50</sup> Marin Liović, Vladimir Stilinović, Dominik Cinčić  
COCRYSTALLIZATION OF TRIMETHYLPHENYLAMMONIUM IODIDE WITH PERFLUORINATED HALOGEN BOND DONORS

17<sup>05</sup> Andreas Ertl, Gerald Giester, Dan Topa  
SR-ENRICHED HIGH-PRESSURE TOURMALINE FROM THE KREUZECK MOUNTAINS, EASTERN ALPS, AUSTRIA

17<sup>15</sup> Miha Drev, Uroš Grošelj, Franc Perdih, Jurij Svete, Bogdan Štefane, Franc Požgan

FORMATION OF SANDWICH-SHAPED TETRA- AND PENTANUCLEAR SILVER(I) COMPLEXES VIA SELF-ASSEMBLY WITH HEXAPYRIDYL BENZENE

17<sup>25</sup> Anton Meden, Monika Kušter, Zoran Samardžija, Boštjan Markoli, Maja Vončina, P. Boulet, E. Gaudry, J.-M. Dubois, Sašo Šturm  
EXPLORING THE SITE OCCUPANCIES IN A NOVEL TERNARY LAVES PHASE Al-Cr-Sc USING EDS, RIETVELD AND SINGLE CRYSTAL METHODS

17<sup>35</sup> **BREAK**

17<sup>55</sup> Darko Vušak, Inka Kirasić, Biserka Prugovečki, Dubravka Matković-Čalogović  
SELF-HEALING CRYSTALS AND POLYMORPHISM IN NICKEL(II) COMPLEX WITH GLYCINAMIDE

18<sup>10</sup> Mario Cetina, Silvija Maračić, Jasmina Lapić, Senka Djaković, Silvana Raić Malić  
CONFORMATION AND SUPRAMOLECULAR INTERACTIONS IN O-ALKYLATED QUINOLINE AND FERROCENE CONJUGATES

18<sup>20</sup> Nikol Radović, Vjera Novosel - Radović, Tihana Marjanović  
THE CASTING POWDER FT<sub>2</sub>

18<sup>30</sup> Ivan Leban  
SHORT HISTORICAL REFLECTION

18<sup>45</sup> **CLOSING REMARKS**

Chairpersons: D. Matković-Čalogović  
A. Meden

20<sup>00</sup> **FAREWELL DINNER**