

SCIENTIFIC PROGRAM

Sun 22th May, 2022 - Convento S. Antonio

16:30 - 18:00	<i>Registration of Participants</i>
20:00 - 22:00	<i>Get together party</i>
22:30	<i>Celebrations of S. Elena in Laurino</i>

Mon 23th May, 2022 – Morning Session - Teatro Comunale

Chairperson: Stefano Vecchio Cipriotti

9:00 - 9:20	<i>Opening Ceremony</i>
9:20 - 10:00	<i>Thermodynamics of noncanonical nucleic acid structures</i> Bruno Pagano (IL1)
10:00 - 10:40	<i>Thermal and thermodynamic (in)stability of hybrid organic-inorganic perovskites for photovoltaic applications</i> Andrea Ciccioni (IL2)
10:40 - 11:00	Coffee Break
11:00 - 11:40	<i>The use of calorimetry in molecular energetic studies</i> Vera L.S. Freitas (IL3)
11:40 - 12:20	<i>CO₂ capture and utilisation in ionic liquids. From experimental to process simulation</i> Johan Jacquemin (IL4)
12:20 - 12:30	Information about the symposium
12:30 - 14:20	Lunch time (La Villa di Laurino, https://www.facebook.com/lavilladilaurino/)

Mon 23th May, 2022 – Afternoon Session - Teatro Comunale

Chairperson: Vera L.S. Freitas

14:20 - 15:00	<i>Energetics of advanced materials: combination of differential scanning calorimetry (DSC), combustion and solution calorimetry with quantum-chemical calculations</i> Sergey P. Verevkin (IL5)
15:00 – 15:40	<i>Unorthodox thermodynamic excess functions</i> Wojciech Marczak (IL6)
15:40 - 16:00	<i>Thermodynamics of complex formation between hydroxypropyl-β-cyclodextrin and natural products</i> Federica D'Aria (OC1)

16:00 - 16:20	<i>Discovering new ligands for human telomeric RNA g-quadruplex</i> Simona Marzano (OC2)
16:20 - 16:40	Coffee Break
16:40 - 17:00	<i>Thermal properties of deep eutectic solvents with hydrated metal salts</i> Chiara Pelosi (OC3)
17:00 - 17:20	<i>Thermochemical-structural relationships for anthranilate and cinnamate derivatives</i> Carlos A. O. Silva (OC4)
17:20 - 17:40	<i>Energetic and structural studies of functionalized thiadiazole</i> Ana C. M. O. Lima (OC5)
17:40 - 18:00	<i>Energetic Insights of Neocuproine</i> José M.S. Ferraz (OC6)
18:00 - 18:20	<i>Thermal behaviour and thermodynamic study of hybrid lead iodide perovskites properties</i> Alessio Luongo (OC7)
18:20 - 20:30	Symposium Break
20:30 -	Symposium Banquet (Cloister of Sant'Antonio Convent)

Tue 24th May, 2022 – Morning Session - Teatro Comunale

Chairperson: Sergey P. Verevkin

9:10 - 9:50	<i>The interplay between thermodynamics and kinetics of protein denaturation and folding</i> Timur Mukhametzyanov (IL7)
9:50 - 10:30	<i>Metal-Organic compounds for gas-phase deposition: how do we tinker with thermodynamic and thermochemical data pool?</i> Kseniya Zherikova (IL8)
10:30 - 10:50	<i>Thermodynamics of cell membranes driven by lipid-lipid interactions: a calorimetric study</i> Francesca Saitta (OC8)
10:50 - 11:10	Coffee Break
11:10 - 11:50	<i>Knudsen effusion mass spectrometry in chemical thermodynamics</i> Lev Kudin (IL9)
11:50 - 12:10	<i>Volatile metal β-diketonates as MOCVD precursors: thermodynamics and "structure-property" relationships</i> Alexander M. Makarenko (OC9)
12:10 - 12:30	<i>Predicting the vaporization enthalpies of organic non-electrolytes at an arbitrary temperature from the molecular structure</i> Mikhail I. Yagofarov (OC10)

12:10 - 12:30	<i>Vaporization thermodynamics of normal alkylbenzoates</i> Dmitrii N. Bolmatenkov (OC11)
12:30 - 14:30	Lunch time (Buffet nearby Sant'Antonio Convent)

Tue 24th May, 2022 – Afternoon Session - Teatro Comunale

Chairperson: Wojciech Marczak

14:30 - 14:50	<i>Dynamics and vitrification kinetics of glass-forming systems by Fast Scanning Calorimetry</i> Valerio Di Lisio (OC12)
14:50 - 15:10	<i>Thermodynamic research of some proteinogenic amino acids</i> Mikhail A. Korobov (OC13)
15:10 - 15:30	<i>Glycerol valorisation towards biofuel additivities: thermodynamic studies of glycerol ethers</i> Aleksy A. Pimerzin (OC14)
15:30 - 15:50	Coffee Break
15:50 - 16:10	<i>Chemical equilibrium as a selection tool for liquid organic hydrogen carriers</i> Sergey V. Vostrikov (OC15)
16:10 - 16:30	<i>Methyl-substituted biphenyls as a suitable alternative to conventional liquid organic hydrogen carriers</i> Artemiy A. Samarov (OC16)
16:30 - 16:50	<i>Guidelines for a comprehensive formulation of green electrolyte for low temperature supercapacitors</i> Guillaume Maurice Ah-Lung (OC17)
16:50 - 17:05	Award Ceremony
17:05 - 17:15	Closing Ceremony

