

ADVANCES IN INORGANIC AND ORGANOMETALLIC CHEMISTRY – PROGRAMME

Wednesday, February 6, 2012

Session 1, 8:40 – 10:30, Chair: Aleš Růžička

8:40 - 8:50 **Opening**

8:50 - 9:10 **Antonín Lyčka**

IL 1

APPLICATION OF MULTINUCLEAR NMR SPECTROSCOPY IN ANALYSIS OF ORGANOMETALLIC COMPOUNDS

9:10 - 9:40 **Rudolph Willem**

IL 2

HR-MAS NMR FOR UNRAVELING CHEMICAL STRUCTURES AT SOLUTION-SOLID INTERFACES:
ORGANOMETALS AND HYDROGELS

9:40 - 10:00 **Michal Horáček, Karel Mach**

IL 3

REACTION OF HYDROGEN SULFIDE WITH TUCKED-IN TITANOCENES

10:00 - 10:30 **Frank Uhlig**

IL 4

ORGANOTINHYDRIDES – BUILDING BLOCKS FOR NOVEL CATALYSTS AND POLYMERS

Coffee Break, 10:30 – 10:50

Session 2, 10:50 – 12:20, Chair: Roman Jambor

10:50 - 11:10 Petr Slavík, Karolína Flídrová, Stanislav Böhm, **Pavel Lhoták**

IL 5

UNPRECEDENTED META-SUBSTITUTION OF CLASSICAL CALIXARENES: UNEXPECTED APPLICATION OF
ORGANOMERCURIAL CHEMISTRY

11:10 - 11:40 **Klaus Jurkschat**

IL 6

METAL DERIVATIVES OF ALKANOL AMINES: ACADEMIC CURIOSITY AND INDUSTRIAL APPLICATION

11:40 - 12:00 **Jan Čermák, Alena Krupková, Tomáš Strašák**

IL 7

FUNCTIONALIZATION OF CARBOSILANE DENDRIMERS WITH CYCLOPENTADIENYL TITANIUM(IV) COMPLEXES

12:00 - 12:20 **Marián. Koman, Jan Moncol, Jaroslava Maroszová**

IL 8

THE STRUCTURAL VARIATIONS OF COORDINATION COMPOUNDS Cu(II) WITH PYRIDYLMETHANOLS

Lunch, 12:20 – 13:20

Session 3, 13:20 – 15:10, Chair: Libor Dostál

13:20 - 13:50 Bohumil Štíbr

IL 9

NEW SYNTHESIS OF TRICARBOLLIDES VIA SKELETAL ALKYL CARBONATION (SAC) REACTIONS

13:50 - 14:20 Piotr Sobota

IL 10

SYNTHESIS OF MOLECULAR PRECURSORS FOR NANOMATERIALS USING ORGANOMETALLIC COMPOUNDS

14:20 - 14:50 Ivan Lukeš

IL 11

LANTHANIDE COMPLEXES WITH DOTA ANALOGUES BEARING PHOSPHORUS PENDANT ARM(S)

14:50 - 15:10 Eliška Matoušová, Milan Pour

IL 12

THE FIRST APPLICATION OF TRIS(2-FURYL)PHOSPHINE IN Au(I) CATALYSIS: CYCLISATION OF ENYNES TO DIHYDROPYRANS. NOVEL REARRANGEMENT OF DIHYDROPYRANS INTO CYCLOPENTENONES

Coffee Break & Poster Session, 15:10 – 16:10

Session 4, 16:10 – 17:50, Chair: Aleš Růžička

16:10 - 16:40 Petr Štěpnička

IL 13

FUNCTIONAL PHOSPHINOFERROCENE CARBOXAMIDE LIGANDS

16:40 - 17:10 Jan Schraml

IL 14

A TRIP THROUGH PHEASANTRY - FROM THE NARROWEST ^{29}Si NMR LINES (0.1 Hz) TO THE BROADEST (2 KHz)

17:10 - 17:40 Ulrich Zenneck, Christine Höhn, Lars Rohwer, Irene Keller, Sergi Huguet Torrell, Frank H. Heinemann

IL 15

CAGE CHIRALITY – A PERFECT TOOL FOR CONTROLLING STEREOCHEMISTRY OF P-C CAGE COMPOUNDS

17:40 - 17:50 Closing Remarks

Gala Dinner, 19:00 – 23:00

Posters

- Martin Hejda**, Antonín Lyčka, Roman Jambor, Aleš Růžička, Libor Dostál **Po 1**
CONSECUTIVE REDUCTION OF *C,N*-CHELATED CHLOROPHENYLBORANE LEADING TO FORMATION OF THE FIRST η^5 -1*H*-2,1-BENZAZABOROLYL POTASSIUM SALT
- Martin Hejda**, Antonín Lyčka, Roman Jambor, Aleš Růžička, Libor Dostál **Po 2**
REACTIVITY OF *C,N*-CHELATED ORGANOBORON COMPOUNDS WITH LITHIUM ANILIDES AND ORGANOLITHIUM COMPOUNDS - FORMATION OF UNEXPECTED 1,2,3-TRISUBSTITUTED 1*H*-2,1-BENZAZABOROLES
- Martin Křížan**, Milan Erben, Jaromír Vinklár, Zdeňka Padělková **Po 3**
LINEAR AND NONLINEAR PSEUDOHALIDE DERIVATES OF BIS(CYCLOPENTADIENYL)TITANIUM(III)
- Marek Bouška**, Libor Dostál, Aleš Růžička, Roman Jambor **Po 4**
NEW OXIDATIONS OF AN INTRAMOLECULARLY COORDINATED DISTANNYNE (LSn)₂
- Iva Klepalová**, Jaromír Vinklár, Jan Honzíček, Zdeňka Padělková **Po 5**
METHOXYBENZYL SUBSTITUTED NIOBOCENE COMPOUNDS
- Iva Klepalová**, Jaromír Vinklár, Milan Erben, Zdeňka Padělková, Jan Honzíček **Po 6**
TOWARD SYNTHESIS OF $[(\eta^3\text{-IND})(\eta^5\text{-CP})\text{Mo}(\text{CO})_2]$: MODIFIED COMPOUNDS AND STRUCTURE OF PREVIOUSLY UNRECOGNIZED INTERMEDIATE
- Vladimír Kuchtanin**, Aleš Růžička, Zdeňka Padělková **Po 7**
DILITHIUM AMIDO-GUANIMIDATES OR DILITHIUM BIGUANIMIDATES?
- Iva Urbanová**, Libor Dostál, Zdeňka Padělková, Aleš Růžička **Po 8**
REACTIVITY OF *C,N*-CHELATED ORGANOANTIMONY COMPOUNDS
- Martin Novotný**, Aleš Růžička, Zdeňka Padělková **Po 9**
LITHIUM COMPLEXES OF ASYMETRIC AMIDINATES AS STARTING COMPOUNDS FOR FURTHER REACTIVITY STUDIES
- Jan Vrána**, Libor Dostál, Zdeňka Padělková, Aleš Růžička **Po 10**
SYNTHESIS OF NOVEL BIS(AMINO)PHOSPHANES AND THEIR USE AS LIGANDS FOR MAIN GROUP METALS
- Hana Kampová**, Aleš Růžička, Jan Turek, Zdeňka Padělková **Po 11**
OLIGONUCLEAR STANNYLENES CONTAINING 2-[(*N,N*-DIMETHYLAMINO)METHYL]PHENYLAMIDO OR -IMIDO LIGAND
- Hana Kampová**, Emilie Riemlová, Jitka Klikarová, Aleš Růžička, Zdeňka Padělková **Po 12**
MAGNESIUM, ALUMINIUM AND ZINC COMPOUNDS CONTAINING HYBRID AMINO - AMIDE LIGAND
- Miroslav Novák**, Aleš Růžička, Antonín Lyčka, Roman Jambor **Po 13**
INTRAMOLECULARLY COORDINATED ORGANOSILANES – SYNTHESIS AND REACTIVITY
- Tomáš Chlupatý**, Michal Bílek, Aleš Růžička, Zdeňka Padělková **Po 14**
TIN(II) AND TIN(IV) GUANIDINATO COMPLEXES
- Barbora Mairychová**, Roman Jambor, Libor Dostál, Zdeňka Padělková **Po 15**
INTRAMOLECULARLY COORDINATED DIORGANOTIN(IV) CARBONATE AND MIXED OXIDES
- Jan Turek**, Illia Panov, Petr Štěpnička, Zdeňka Padělková, Aleš Růžička **Po 16**
METAL COMPLEXES OF MODIFIED *N*-HETEROCYCLIC CARBENES

- Jan Turek**, Illia Panov, Lies Broeckaert, Balazs Pinter, Frank De Proft, Zdeňka Padělková,
Aleš Růžička **Po 17**
N-HETEROCYCLIC CARBENE-METAL COMPLEXES – THEORETICAL CALCULATIONS
- Jana Nevoralová**, Tomáš Chlupatý, Zdeňka Padělková, Aleš Růžička **Po 18**
NEW LITHIUM GUANIDINATES WITH ADDITIONAL DONATING FUNCTION
- Jana Nevoralová**, Tomáš Chlupatý, Zdeňka Padělková, Aleš Růžička **Po 19**
PENDANT DONOR CONTAINING LITHIUM AMIDINATES AS PRECURSORS FOR GROUP 14 METAL COMPLEXES
- Roman Olejník**, Zdeňka Padělková, Aleš Růžička **Po 20**
PREPARATION AND REACTIVITY OF METAL COMPLEXES BASED ON β -DIKETIMINATE LIGAND
- Roman Olejník**, Zdeňka Padělková, Aleš Růžička **Po 21**
SYNTHESIS AND CHARACTERIZATION OF NOVEL ENAMINONE METAL COMPLEXES