



Saturday, November 12, 2016

9:00 - 9:20

Opening Remarks (MDCL 1305)

9:20 - 10:20

Prof. Dr. Risto S. Laitinen (Plenary Lecture in MDCL 1305)

10:20-10:40

Break

Room 1 (MDCL 1305)

Room 2 (MDCL 1309)

Chair: Jeff Price

Chair: Allan He

10:40 - 11:00

O1 Alexander E. Waked (University of Toronto) - S(VI)
Lewis Acids: Fluorosulfoxonium CationsO2 Cameron M. E. Graham (Western University) -
Exploring the Reactivity of Phosphorus-Chalcogen Ring
Systems

11:00 - 11:20

O3 Maria Zakharova (Université Laval) - Application of
Gas Oversolubility in Nanoconfined Liquids for Synthesis
of Cyclic CarbonatesO4 Mark R. Bortolus (McMaster University) - A New
Xenon(II) Oxide Species; Synthesis and Characterization
of $[\text{XeOXe}]^{2+}$ in the Adduct-Cation Salt, $[\text{CH}_3\text{CN}---\text{XeOXe}---\text{NCCH}_3][\text{AsF}_6]_2$

11:20 - 11:40

O5 John L. Lortie (Brock University) - Zinc Hydride
Catalyzed Regioselective Hydrosilylation and
Hydroboration of N-heterocyclesO6 Maryam Abdinejad (University of Toronto) -
Structural Modulation of Cobalt-Porphyrins for
Electrochemical Reduction of Carbon Dioxide11:40 - 12:00
pmO7 Mohammad A. Affan (Queen's University) - Nickel-
Catalyzed Hydrogenation of CO_2 in the Presence of
Secondary AminesO8 Levy L. Cao (University of Toronto) - Exploring N-
Heterocyclic Carbene Stabilized Boryl Radicals

12:00 - 1:00

Lunch

Chair: Ian Duffy

Chair: John Debackere

1:00 - 1:20

O9 Valerie E. Fleischauer (University of Rochester) -
Insight into the Active Species and Mechanism of Alkyl-
Alkyl Cross-Coupling with IronO10 Stephanie M. Barbon (Western University) -
Unusual BN Heterocycles Derived from Formazanate
Ligands and Their Reduction Chemistry

1:20 - 1:40

O11 Samantha A. M. Smith (University of Toronto) -
Improved Synthesis of Efficient and Enantioselective Iron-
based Hydrogenation CatalystsO12 Konstantina Pringouri (University of Windsor) -
New Derivatives of Benzothiadiazines and their
Coordination Chemistry

1:40 - 2:00

O13 Alex J. Veinot (Saint Mary's University) - Metal
Complexes Incorporating *m*-Terphenyl Substituted
Cyclopentadienyl LigandsO14 James T. Goettel (McMaster University) - Xenon
Trioxide and Haloxenates

2:00 - 2:20

O15 Manar M. Shoshani (University of Windsor) -
Unactivated C-C Multiple Bond Cleavage by a Nickel-
Hydride ClusterO16 Tessa M. Baker (University of Rochester) -
Magnetic Circular Dichroism Studies of Iron(II) Binding
to Human Calprotectin

2:20 - 2:30

Break (Poster Setup)

Chair: Peter Ho

Chair: Timothy Lo

2:30 - 2:50

O17 Ngan Tran (Brock University) - Methyl-Induced C-H
Activation of N-Aryl Groups in Chiral NHC-Iridium
ComplexesO18 Parisa Jafarzadeh (University of Waterloo) - New
Thermoelectric Copper Chalcogenides

2:50 - 3:10

O19 Fioralba Taullaj (University of Toronto) -
Organometallic Chemistry of AdamantaneO20 Shoushun Chen (Western University) - Under-
standing Metal Doping in the Metal-Organic Frame-work
MIL-121 Using Multinuclear Solid-State NMR

3:10 - 3:30

O21 Thomas Auvray (Université de Montréal) -
Electronic Properties of a Family of Light-Harvesting
Polyoxometalate-Polypyridine Hybrids based Re(I)
Carbonyl ComplexesO22 Allan He (McMaster University) - Structure, Magnetic
Properties and Magnetocaloric Effect in $(\text{Mn,Fe})_2(\text{Si,P})$

3:30 - 3:50

O23 Ernest Prack (University of Toronto at Mississauga) -
A Low-Barrier "H-M-H" Molecular Rotor

3:50 - 4:00

Break (Poster Setup)

4:00 - 5:00

Prof. Dr. Frédéric-Georges Fontaine (Plenary Lecture in MDCL 1305)

5:00 - 7:00

Poster Session (Southeast Section of the MDCL building)

7:30 - 10:00

Banquet - Dundas Valley Golf and Curling Club (10 Woodleys Ln.)

Poster Session: Odd-numbered posters will be judged between 5:00 – 6:00; even-numbered posters will be judged between 6:00 – 7:00. Please be at your poster during your appointed time. There will be time to hang your poster after lunch.

Oral Presentations: Please bring your presentation on a USB.

Banquet: Transportation will be provided to the venue. Please be prepared to leave by 7:05.

Sunday, November 13, 2016

8:30 am - 9:00

Morning Coffee

Chair: Majeda Al Hareri

Chair: Jamie Goettel

9:00 - 9:20

O24 Stephanie A. Rufh (*University of Ottawa*) - *Intercepting Deactivation for Phosphine-Stabilized Metathesis Catalysts*

O25 Soren K. Mellerup (*Queen's University*) - *Tuning the Colors of the Dark Isomers of Photochromic Boron Compounds: Four-State Color Switching*

9:20 - 9:40

O26 Mohammadmehdi Haghdoost (*Université du Québec*) - *Do More Effective Ru(II)-Arene Catalysts Lead to Improved Anticancer Agents?*

O27 Zitong Wang (*Western University*) - *Investigating Growth of the Ga-MIL-53 and PbSDB Microporous Metal-Organic Frameworks via Atomic Force Microscopy*

9:40 - 10:00

O28 Karl Z. Demmans (*University of Toronto*) - *Synthesis of New Iron (II) PNNP Catalysts to Increase the Stability of a Highly Active Catalyst for the Transfer Hydrogenation of Aromatic Ketones*

O29 John R. DeBackere (*McMaster University*) - *Recent Advances in the Coordination Chemistry of Krypton Difluoride*

10:00 - 10:20

O30 Valerie Hardouin Duparc (*Université de Montréal*) - *Reactivity Studies of Chan-Evans-Lam Coupling using Copper(II) Complexes with Sulfonated Ligands*

O31 Karlee L. Bamford (*University of Toronto*) - *Group 13 Radicals via Chelating Redox Active Ligands*

10:20 - 10:40

Break

Chair: Katia Paskaruk

Chair: Mark Bortolus

10:40 - 11:00

O32 Minh Tho Nguyen (*Brock University*) - *Zinc and Phosphorus Complexes Supported by Bis(imino) NCN Pincer Ligand*

O33 Alexander M. Polgar (*Western University*) - *Preparation of Mixed Coinage Metal Chalcogenide Clusters from Simple Precursors*

11:00 - 11:20

O34 Jeffrey S. Price (*McMaster University*) - *Bis(phosphine) Adducts of Manganese Hydride Complexes*

O35 Zeinab S. Ahmed (*University of Windsor*) - *Exploring the Effects of Phosphine Control on Metal Dithiolene Complexes*

11:20 - 11:40

O36 Qiumling Liang (*University of Toronto*) - *Reactivity of Iron Complexes containing bidentate picoyl-NHC ligands*

O37 Yue Zhang (*Western University*) - *Welcoming Gallium and Indium to the A520 MOF Family: Synthesis, Comprehensive Characterization, and CO₂ Dynamics*

11:40 - 12:00 pm

O38 Jeremy L. Bourque (*Western University*) - *Synthesis of a Gallene, a Gallium-Carbon Double Bond*

O39 Nadia O. Laschuk (*University of Ontario Institute of Technology*) - *Development of a Metal Ion Sensor for ppb to ppm Fe²⁺ Levels of Detection*

12:15 - 12:45

Closing Remarks and Awards (MDCL 1305)