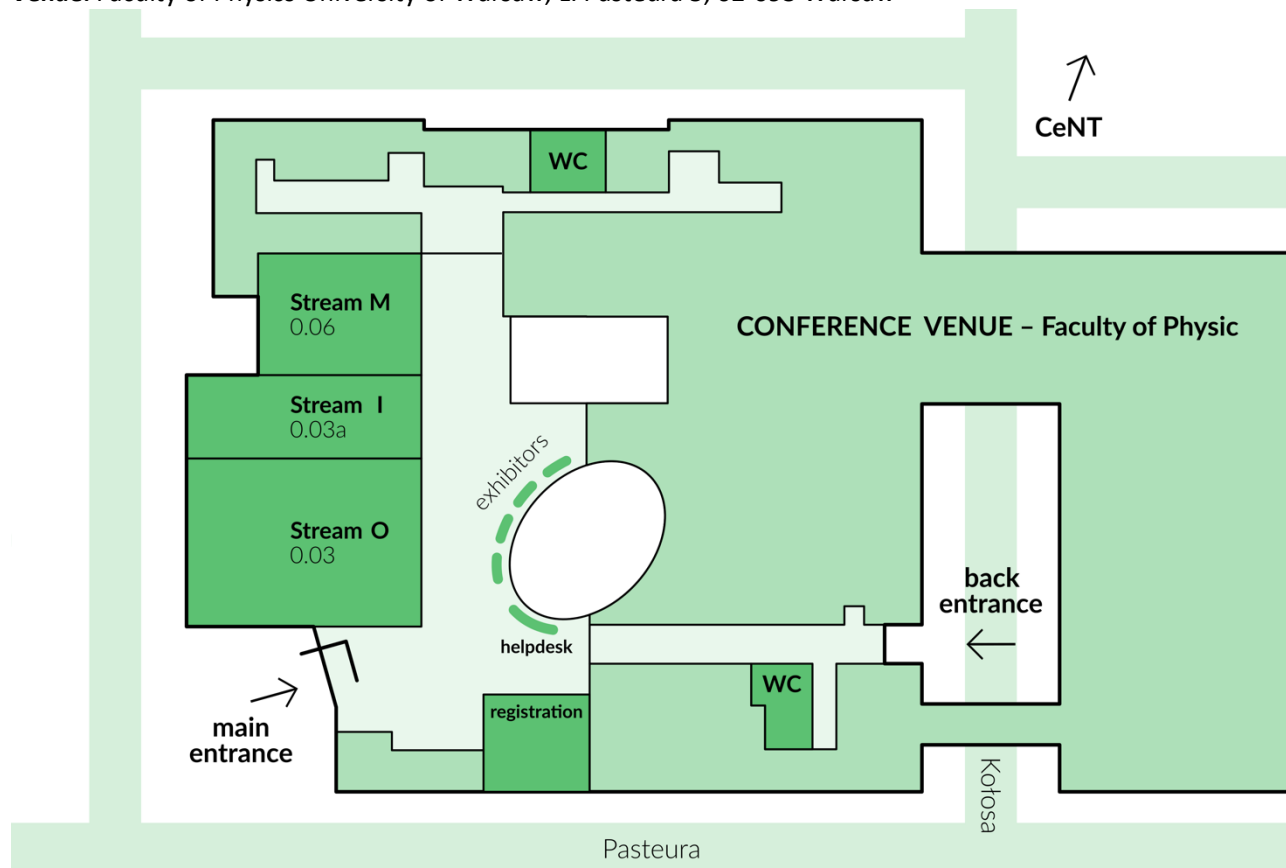


	Sunday 25 Aug 2019	Monday 26 Aug 2019	Tuesday 27 Aug 2019	Wednesday 28 Aug 2019	Thursday 29 Aug 2019	Friday 30 Aug 2019	Saturday 31 Aug 2019	
7:00		registration						7:00
8:00		OPENING	Trip Curie (I)	registration PHOTO	Trip Curie (II)	registration		8:00
9:00		Plenary I	registration	Plenary III	registration	Plenary IV		9:00
10:00				coffee break				10:00
11:00	Trip Chopin (I)	Keynote I	Oral III	Oral V	Keynote II	Oral IX	Trip Chopin (II)	11:00
12:00								12:00
13:00								13:00
14:00								14:00
15:00	Trip Copernicus (I)	Oral I	Oral IV	Oral VI	Oral VIII	Oral X	Trip Copernicus (II)	15:00
16:00					Poster Award	Special		16:00
17:00		Oral II	Plenary II	Oral VII				17:00
18:00			Poster Award			CLOSING		18:00
19:00		Poster I (CeNT)		Poster II (CeNT)		Cocktail (CeNT)		19:00
20:00	Kick-off (BUW)				Banquet (PKiN)			20:00
21:00								21:00
22:00								22:00

Venue: Faculty of Physics University of Warsaw, L. Pasteura 5, 02-093 Warsaw



F-2019

Monday, 26 August 2019

OPENING SESSION

Monday, 26 August 2019, 08:00–09:00

- INT-1 Ewa Bulska *"Welcome on behalf of CeNT and CNBCh University of Warsaw"*
- INT-2 Andrzej Kudelski *"Welcome on behalf of the Faculty of Chemistry University of Warsaw"*
- INT-3 Dariusz Wasik *"Welcome on behalf of the Faculty of Physics University of Warsaw"*
- INT-4 Henryk Koroniak *"Welcome from the Honorary Chairman"*
- INT-5 Wojciech Grochala *"Welcome from the Chairman and the Organizing Team"*
- INT-6 Choir of the Faculty of Physics, University of Warsaw *"Kum i kuma"; "Da Fluorine Song"*

PLENARY SESSION I

Chair: Veronique Gouverneur

Monday, 26 August 2019, 09:00–10:30

- PL-1 Karl Christe *"Nitrogen Fluoride Chemistry"*
09:00–09:45
- PL-2 Istvan T. Horvath *"Fluorous chemistry after 25 years"*
09:45–10:30

KEYNOTE SESSION I – ORGANIC

Chair: Shlomo Rozen

Monday, 26 August 2019, 11:00–12:30

- O-K01 Veronique Gouverneur *"Hydrogen Bonding Phase Transfer Catalysis with Metal Alkali Fluoride"*
11:00–11:30
- O-K02 Thomas Braun *"Activation of sulfur fluorides at transition metal centers"*
11:30–12:00
- O-K03 Santos Fustero *"Strategies for the synthesis of simple mono- and perfluoro-alkylated scaffolds"*
12:00–12:30

KEYNOTE SESSION I – INORGANIC

Chair: Przemysław Malinowski

Monday, 26 August 2019, 11:00–12:30

- I-K01 Rika Hagiwara *"Production of F₂ by electrolysis of CuF₂ dissolved in Cs[(FH)_{2.45}F]"*
11:00–11:30
- I-K02 Zoran Mazej *"Dioxygenyl salts"*
11:30–12:00
- I-K03 Erhard Kemnitz *"Nanoscopic metal fluorides and (hydr)oxofluorides obtained via fluorolytic sol-gel synthesis: Highly potent heterogeneous catalysts"*
12:00–12:30

KEYNOTE SESSION I – MATERIALS

Chair: Rodrigo Cormanich

Monday, 26 August 2019, 11:00–12:30

- M-K01 Marie Pierre Krafft *"Facile Access to Difluoroalkylated Molecules by Nickel-Catalyzed"*
11:00–11:30
- M-K02 Bruno Ameduri *"Recent Advances on Controlled Radical Polymerization (RDRP) of Fluoroalkenes and Architectures Therefrom"*
11:30–12:00
- M-K03 Peter Slater *"Synthesis and Characterisation of Fluorine containing Perovskite and Ruddlesden Popper phases"*
12:00–12:30

ORAL SESSION I – ORGANIC

Chair: Michał Barbasiewicz

Monday, 26 August 2019, 14:00–15:30

- O-I01 Shlomo Rozen *“The chemical versatility of elemental fluorine”*
14:00–14:20
- O-I02 Piotr Kwiatkowski *“Asymmetric organocatalytic synthesis of trifluoromethylated molecules under high-pressure conditions”*
14:20–14:40
- O-C01 Satoru Arimitsu *“Stereoselective fluorination of multi-substituted carbonyls with aminocatalysis”*
14:40–14:55
- O-C02 Ji-Chang Xiao *“Phosphonium-based Fluorine-containing Reagent and Reaction”*
14:55–15:10
- O-C03 Jonas Schaab *“Thermally unstable α -perfluoroalkylalcohols”*
15:10–15:25

ORAL SESSION I – INORGANIC

Chair: Konrad Seppelt

Monday, 26 August 2019, 14:00–15:30

- I-I01 Alain Demourgues *“Tailoring the band gap in polyanionic structures: competitive bonds around fluorine”*
14:00–14:20
- I-I02 Gašper Tavčar *“Imidazolium based fluoride donor as a reagent for the preparation of discrete anionic species”*
14:20–14:40
- I-C01 Guillaume Belanger-Chabot *“Hexahalodiborates and Electron-precise Diborane(4) Pseudohalides”*
14:40–14:55
- I-C02 Sylvette Brunet *“MgF₂ preparation with high specific surface area for catalytic gas phase fluorination of 2-Chloropyridine”*
14:55–15:10
- I-C03 Miguel Baya *“Inverted Ligand Fields & Coinage-Metal Chemistry: A Promising Combination for Trifluoromethylation Reactions”*
15:10–15:25

ORAL SESSION I – MATERIALS

Chair: Sabine Beuermann

Monday, 26 August 2019, 14:00–15:30

- M-I01 Ivo Leito *“Acidities of molecules and media: the united pK_a-pH_{abs} scale in 1,2-dichloroethane”*
14:00–14:20
- M-I02 Frederic Leroux *“New Frontiers in Fluorine Chemistry for Industrial Application”*
14:20–14:40
- M-C01 Oliver Clemens *“Electrochemical Fluorination and Defluorination of Oxides: From Fluoride Ion Batteries to Alternative Preparation Routes for Metastable Compounds”*
14:40–14:55
- M-C02 Viktor Iaroshenko *“Design, Synthesis and biological Study of Fluorinated Purines, Purine Isosteres and their Nucleosides as potential Drug-like Scaffolds”*
14:55–15:10
- M-C03 Kevin Lemoine *“Iron hydroxyfluorides with HTB and pyrochlore structures as positive electrode for lithium secondary batteries”*
15:10–15:25

ORAL SESSION II – ORGANIC

Chair: Yi Pan

Monday, 26 August 2019, 16:00–17:30

- O-I03 Glenn Martin Sammis *“New Reagents for Fluorination”*
16:00–16:20
- O-I04 Viacheslav Petrov *“Preparation of Diels-Alder Adducts of Perfluorinated Thioketones”*
16:20–16:40
- O-C04 Midori Akiyama *“Synthesis of Fluorinated Dialkyl Carbonates from CO₂”*
16:40–16:55
- O-C05 Blaž Alič *“Development of a Recoverable Fluorinating Reagent – From Scientific Curiosity to Viable Utility”*
16:55–17:10
- O-C06 Yaroslav Zonov *“Carbonylation of polyfluorobenzocycloalkenes in the CO-SbF₅ system as the first example of perfluoroorganic compounds carbonylation”*
17:10–17:25

ORAL SESSION II – INORGANIC

Chair: Miguel Baya

Monday, 26 August 2019, 16:00–17:30

- I-I03 Jean-François Paquin *“Recent advances in the synthesis of SF₅-containing molecules”*
16:00–16:20
- I-I04 Kazuhiko Matsumoto *“Partially naked fluoride in solvate ionic liquids”*
16:20–16:40
- I-C04 Julia Bader *“Phosphido-bridged di- and trinuclear palladium complexes from electron-poor phosphanes R₂PH”*
16:40–16:55
- I-C05 Maik Finze *“Perfluoroalkylhydridoborates and -boranes: Synthesis, Reactivity, and Ionic Liquids”*
16:55–17:10
- I-C06 Xingang Zhang *“Facile Access to Difluoroalkylated Molecules by Nickel-Catalyzed Carbodifunctionalization of Alkenes”*
17:10–17:25

ORAL SESSION II – MATERIALS

Chair: Peter Slater

Monday, 26 August 2019, 16:00–17:30

- M-I03 Konrad Seppelt *“Bromine Oxygen Compounds”*
16:00–16:20
- M-I04 Cormac Murphy *“The role of microorganisms in the degradation of fluorinated xenobiotics in the environment”*
16:20–16:40
- M-C04 Thierry Brigaud *“Synthesis of enantiopure fluoroalkylated prolines and pseudoprolines as tools for the control of peptides conformation”*
16:40–16:55
- M-C05 Sabine Beuermann *“Detailed investigations into the iodine transfer emulsion polymerization of vinylidene fluoride”*
16:55–17:10
- M-C06 Laura Trump *“Late stage C-H (¹⁸F)-difluoromethylation of N-heteroaromatics for PET imaging”*
17:10–17:25

POSTER SESSION I – ORGANIC

Monday, 26 August 2019, 18.00-20.00

- O-P01 Norbert Baris *"Synthesis of fluorine compounds of D-glucamine"*
- O-P02 Stefan Dix *"Deoxytrifluoromethylthiolation and Selenylation of Alcohols using Benzothiazolium Reagents"*
- O-P03 Igor Gerus *"Special features of the reaction of various spatial forms of β -alkoxyvinyl trifluoromethyl ketones with secondary amines"*
- O-P04 Alexander Hampton *"Synthesis of 2,2-difluoro-1,3-diketones by direct fluorination"*
- O-P05 Christoph Jessen *"Protonation of Malonyl Difluoride"*
- O-P06 Ivan Kondratov *"Special features of the reaction of various spatial forms of β -alkoxyvinyl trifluoromethyl ketones with secondary amines"*
- O-P07 Henryk Koroniak *"Claisen rearrangement in the preparation of new sugar derivatives"*
- O-P08 Kateřina Kučňirová *"Ring-opening cross metathesis of small fluorinated cycloalkenes"*
- O-P09 Grzegorz Młostoń *"Application of nitrile imines derived from trifluoroacetonitrile for the synthesis of 2-trifluoromethyl-1,3,4-thiadiazines"*
- O-P10 Oleksii Mushta *"Safe 2+2-cycloaddition of tetrafluoroethylene (TFE) to styrenes"*
- O-P11 Alexander Nitzer *"N-Methyl nitrilium ions and their susceptibility towards HF-addition"*
- O-P12 Ana B. Pereiro *"Fluorinated Ionic Liquids: A promising tool for the development of biomolecules-based cancer therapies"*
- O-P13 Stefan Sander *"Formation and reactivity of a Pt(II) fluoro complex with 3-methylindolylphosphine ligands"*
- O-P14 Vadim Timoshenko *"3-Functional substituted 4-trifluoromethyl tetrahydrothiophenes via [3+2]-cycloaddition reactions"*
- O-P15 Johannes Bernd *"TFA as a cheap radical CF₃-source for the electrochemical trifluoromethylation of arenes"*

POSTER SESSION I – INORGANIC

Monday, 26 August 2019, 18.00-20.00

- I-P01 Marie Bayer *"Preparation and Characterization of Protonated Fumaric Acid"*
- I-P02 Ivita Bite *"Incorporation of fluorine in SiO₂ glass"*
- I-P03 Jinyoung Chun *"Solvothermal synthesis of sodium metal fluoride (Na_xMF_y) nanoparticle clusters"*
- I-P04 Wiktoria Dołębska *"Synthesis and physicochemical characterization of the selected weakly coordinating salts of Mg and Li"*
- I-P05 Magdalena Grochowska *"Developing of the synthetic methods towards the selected weakly coordinating anions"*
- I-P06 Michał Jadwiszczak *"An approach to synthesis new cobalt salts with weakly coordinating anions"*
- I-P07 Maeva-Charlotte Kervarec *"HF-loaded Aluminium chlorofluoride as a nanoscopic solid acid catalyst for hydrofluorination reactions"*
- I-P08 Dominik Kurzydłowski *"Mixed-valent fluorides of silver stabilized at high pressure"*
- I-P09 Long Lu *"[Ag(bpy)(PPhtBu₂)(OCF₃)]: A Stable Nucleophilic Reagent for Chemoselective and Stereospecific Trifluoromethoxylation of Secondary Alkyl Nosylates"*
- I-P10 Patrick Pröhm *"Providing highly reactive, soluble fluorochlorates(I)/(III) as promising oxidation and fluorination reagents"*
- I-P11 Leon Niklas Schneider *"Copper(I) and Silver(I) Complexes Bearing the Bis(trifluoromethyl)amino Ligand"*
- I-P12 Agnieszka Starobrat *"Towards mixed and doped Ag²⁺ fluorides with selected lanthanides: La, Gd and Yb, and with Cd"*
- I-P13 Pooja Tomar *"Reduction and Transformation of the Green House Gas SF₆ into a Deoxyfluorinating Reagent"*
- I-P14 Alan Virmani *"Pyruvic acid in superacids - formation of a superelectrophile"*
- I-P15 Martin Wozniak *"Activation of Sulfur Hexafluoride at Xantphos-Type Complexes of Rhodium"*

POSTER SESSION I – MATERIALS

Monday, 26 August 2019, 18.00-20.00

- M-P01 João M. M. Araújo *"Systematic transferability of fluorinated ionic liquids models within the soft-SAFT equation of state"*
- M-P02 Thierry Brigaud *"Design, synthesis and biological evaluation of fluorinated Pin1 ligands"*
- M-P03 Mariana Derzsi *"Quest for compounds at the verge of charge transfer instabilities in halides: the case of elusive silver(II) chloride"*
- M-P04 Jakub Gawraczyński *"Excitons in AgF₂, a layered 2D antiferromagnet"*
- M-P05 Adam Grzelak *"Enhancement of antiferromagnetic coupling in flat monolayers of AgF₂ on fluoride surfaces – a DFT study"*
- M-P06 Matthew James *"Synthesis and characterisation of Fe-containing perovskite-related oxide fluorides"*
- M-P07 Maria Kosaya *"Fluorescent properties of trifluoromethylated [70]fullerenes"*
- M-P08 Jin-Kyun Lee *"Cross-linking Reactions of Highly Fluorinated Materials under Electron Beam and Extreme UV Irradiation"*
- M-P09 Jakob Leppkes *"Synthesis of fluorinated amino acids and their application for the fine-tuning of protein-protein interactions"*
- M-P10 Toshihiro Mishina *"Preparation of easily dyed polycarbonate by fluorinating its surface"*
- M-P11 Akito Nishizawa *"Broad PL Color-Shift of Bent π -Conjugated Luminophores with Fluorinated Tolanes"*
- M-P12 Rafał Owarzany *"Synthesis of M(BH₃NH₂BH₂NH₂BH₃) salts using precursors containing of fluorine-rich weakly coordinating anions"*
- M-P13 Valentina Stulberg *"Impact of fluorine-specific interactions on protein folding"*
- M-P14 Stephan Wollstadt *"Topochemical Fluorination of highly porous oxide films for possible SOFC cathode application"*
- M-P15 Piotr J. Leszczyński *"Facile C-C coupling of fluoroaromatics using potent Ag(II)SO₄ oxidizer"*
Instead of: Juan Antonio Vega (*withdrawn*)

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Tuesday, 27 August 2019

ORAL SESSION III – ORGANIC

Chair: Glenn Martin Sammis

Tuesday, 27 August 2019, 11:00–12:30

- O-I05 Feng-Ling Qing *“New Advances in Oxidative Fluoroalkylation”*
11:00–11:20 (ERRATUM: exchanged with O-I17 Yi Wang)
- O-I06 Gerd-Volker Roeschenthaler *“Mediator and Additive Free Trifluoromethyl-Fluorination of Terminal Alkenes by a Persistent Perfluoroalkyl Radical”*
11:20–11:40
- O-C07 Thomas Cantin *“Superelectrophilic activation of unsaturated amines in superacidic media”*
11:40–11:55
- O-C08 Takeshi Hanamoto *“Synthesis and reactions of (Z)-2-Br-2-CF₃-vinyl phenyl sulfide”*
11:55–12:10
- O-C09 Maria F. Céspedes Dávila *“New insights into enantioselective difluoromethylation by means of sulfoxides as chiral and traceless auxiliaries”*
12:10–12:25

ORAL SESSION III – INORGANIC

Chair: Kazuhiko Matsumoto

Tuesday, 27 August 2019, 11:00–12:30

- I-I05 Chadron M. Friesen *“Difluoroalkyl Ethers from Thionoesters using Silver(I) Fluorides”*
11:00–11:20
- I-I06 Jan Lundell *“Noble gas hydrides”*
11:20–11:40
- I-C07 Axel Haupt *“Pentafluorosulphuroxy - Compounds – New Stories of a Renowned Group?”*
11:40–11:55
- I-C08 Clément Ghiazza *“Reactivity of Fluoroalkyltolueneselenosulfonates in Electron Transfer Processes”*
11:55–12:10
- I-C09 Dmitrii Pashkevich *“Scientific basis of hydrogen fluoride production technology from uranium hexafluoride in the flame of hydrogen-containing fuel and oxygen-containing oxidizer”*
12:10–12:25

ORAL SESSION III – MATERIALS

Chair: Oliver Clemens

Tuesday, 27 August 2019, 11:00–12:30

- M-I05 Nicole S. M. Vieira *“Fluorinated Ionic Liquids as Drug Delivery Systems: from the design to the delivery of therapeutic proteins”*
11:00–11:20
- M-I06 Wojciech Macyk *“Surface engineering with fluorides – implications for heterogeneous photocatalysis”*
11:20–11:40
- M-C07 Hisao Hori *“Efficient Mineralization of PVDF-Related Fluoropolymers Using Subcritical Water in the Presence of Potassium Permanganate”*
11:40–11:55
- M-C08 Yong Guo *“New Development of Visible Light-Promoted Photoredox Fluoroalkylation”*
11:55–12:10
- M-C09 Youngtae Kim *“Investigation of Solution-Processable Fluorous Dispersions with Various Functional Particle Materials”*
12:10–12:25

ORAL SESSION IV – ORGANIC

Chair: Henryk Koroniak

Tuesday, 27 August 2019, 14:00–15:30

- O-I07 Grzegorz Mlostoń *“New applications of fluorinated 1,3-dipoles in the cycloaddition chemistry”*
14:00–14:20
- O-I08 Piotr Beier *“Bioconjugation using fluoroalkylated hypervalent iodine reagents”*
14:20–14:40
- O-C10 Frederik Diness *“Fluorobenzene Derivatives in Chemoselective Arylations Controlled by pKa -values”*
14:40–14:55
- O-C11 Igor Gerus *“Synthesis of Trifluoromethylpyrroles – verification of the previously data”*
14:55–15.10
- O-C12 Thomas Guérin *“Azirines as powerful intermediates to access fluorinated building blocks”*
15:10–15:25

ORAL SESSION IV – INORGANIC

Chair: Alain Demourgues

Tuesday, 27 August 2019, 14:00–15:30

- I-I07 Thierry Billard *“Some recent developments in fluoroalkylselenolations”*
14:00–14:20
- I-I08 Miroslav Boča *“Unexpected phase transformations in ternary fluoride systems”*
14:20–14:40
- I-C10 Mathias A. Ellwanger *“Reactions of Trifluoridogold(III) Complexes”*
14:40–14:55
- I-C11 Karol J. Fijalkowski *“Ionic conductivity of salts containing weakly coordinating anions”*
14:55–15.10
- I-C12 Olexandr Guzyr *“Chemistry of organic derivatives of sulfur (IV) and sulfur (VI) fluorides. Efficient preparation of aryl and heteryl sulfur pentafluorides”*
15:10–15:25

ORAL SESSION IV – MATERIALS

Chair: Maik Finze

Tuesday, 27 August 2019, 14:00–15:30

- M-I07 Robert Baker *“Fluorous interactions: solid state and computational structures and applications”*
14:00–14:20
- M-I08 Jinyoung Chun *“Synthesis of high-capacity electrode materials for the Li-ion batteries using ammonium fluoride”*
14:20–14:40
- M-C10 Ivan Kondratov *“New CF₃O-containing Building Blocks for Drug Discovery”*
14:40–14:55
- M-C11 Masaaki Omote *“Structural modification of indomethacin toward selective inhibition of COX-2 with a significant increase in van der Waals contributions”*
14:55–15.10
- M-C12 Mikołaj Chromiński *“Trifluoromethylation of purine ribonucleotides”*
15:10–15:25

PLENARY SESSION II

Chair: Giuseppe Resnati

Tuesday, 27 August 2019, 16:00–17:30

- PL-3 Ingo Krossing *“From Innocent and Ligand-forming Oxidant WCA Salts”*
16:00–16:45
- PL-4 David O'Hagan *“Biosynthesis of fluorine containing natural products”*
16:45–17:30

AWARD SESSION I

Chair: Ingo Krossing

Tuesday, 27 August 2019, 17:30–17:45

- O-OS1 Winner of the Best Poster Award (TBA)
17:30–17:35
- I-OS1 Winner of the Best Poster Award (TBA)
17:35–17:40
- M-OS1 Winner of the Best Poster Award (TBA)
17:40–17:45

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Wednesday, 28 August 2019

PLENARY SESSION III

Chair: Sebastian Riedel

Wednesday, 28 August 2019, 09:00–10:30

- PL-5 Corey Stephenson *“Photoredox catalysis strategies for the synthesis of fluorinated molecules”*
09:00–09:45
- PL-6 Yanming Ma *“Fluorine Chemistry at High Pressure Conditions”*
09:45–10:30

ORAL SESSION V – ORGANIC

Chair: Thomas Braun

Wednesday, 28 August 2019, 11:00–12:30

- O-I09 Ana B. Pereiro *“Fluorinated Ionic Liquids as Novel Task-Specific Materials”*
11:00–11:20
- O-I10 Michał Barbasiewicz *“Recent developments in olefination with sulfonyl halides and esters”*
11:20–11:40
- O-C13 Greg Coates *“Defluorosilylation of Industrially Relevant Fluoroolefins using Silicon Nucleophiles”*
11:40–11:55
- O-C14 Sergiy V. Fomin *“Properties of rubber stocks based on the combination of skf-32 fluoroelastomer and hydrogenated nitrile butadiene rubber”*
11:55–12:10
- O-C15 Henryk Koroniak *“Fluorinated Aminophosphonates and Carbohydrates - Versatile Synthetic Units”*
12:10–12:25

ORAL SESSION V – INORGANIC

Chair: Gašper Tavčar

Wednesday, 28 August 2019, 11:00–12:30

- I-I09 Dieter Lentz *“Hydrodefluorination – Do We Need a Metal Catalyst?”*
11:00–11:20
- I-I10 Michael Gerken *“Donor-stabilized [WF5]⁺ cations”*
11:20–11:40
- I-C13 Tomasz Jaroń *“A bunch of salts containing weakly coordinating anions – potential solid state ionic conductors and convenient sources of metal ions”*
11:40–11:55
- I-C14 Florian Jaroschik *“Lanthanide-mediated single C-F bond activation in CF₃-dienes: synthetic applications and mechanistic insights”*
11:55–12:10
- I-C15 Daniel Joven-Sancho *“HALIDE COMPLEXES OF THE (CF₃)₃Ag^{III} MOIETY”*
12:10–12:25

ORAL SESSION V – MATERIALS

Chair: Marie Pierre Krafft

Wednesday, 28 August 2019, 11:00–12:30

- M-I09 Rodrigo Cormanich *“Experimental and theoretical evidences of the hyperconjugation role in the helical geometries of perfluoro compounds”*
11:00–11:20
- M-I10 Beate Kokschi (talk given by Jakob Leppkes) *“Bacterial life based on fluorinated amino acids”*
11:20–11:40
- M-C13 Ewa Bulska *“Analytical scenario for the evaluation of the metabolism of fluorine-containing compounds in animal tissue samples with the use of atomic and mass spectrometry”*
11:40–11:55
- M-C14 Thierry Lequeux *“Photoinduced Non-stabilized Azomethine Ylide Formation for the Preparation of Fluorine Containing Pyrrolidines as Nucleoside Analogues”*
11:55–12:10
- M-C15 João M. M. Araújo *“Sorption of Fluorinated Gases using Ionic Liquids”*
12:10–12:25

ORAL SESSION VI – ORGANIC

Chair: Santos Fustero

Wednesday, 28 August 2019, 14:00–15:30

- O-I11 Valentina Dichiarante *“Short-chain multibranched perfluoroalkyl derivatives as versatile tools in fluorine chemistry”*
14:00–14:20
- O-I12 Jason Dutton *“Supertrityl and other carbocations”*
14:20–14:40
- O-C16 Dona Štepec *“Fluorine content in “superfoods””*
14:40–14:55
- O-C17 Gisy Abdi *“Fluorination of graphyne and related carbonaceous nanostructures”*
14:55–15.10
- O-C18 Takahiko Akiyama *“Enantioselective Friedel-Crafts Alkylation Reaction of Heteroarenes to Trifluoromethylated N-H Ketimines”*
15:10–15:25

ORAL SESSION VI – INORGANIC

Chair: Takayuki Nakamura

Wednesday, 28 August 2019, 14:00–15:30

- I-I11 Günter Haufe *“[3,3]-Sigmatropic rearrangements of SF₅-containing allylic esters”*
14:00–14:20
- I-I12 Moritz Malischewski *“Organometallic Chemistry in Superacids”*
14:20–14:40
- I-C16 Tsutomu Konno *“Highly regioselective cobalt-catalyzed hydrosilylation of tetrafluorinated 1,3-cyclohexadiene: An efficient formal synthesis of negative-type liquid crystal”*
14:40–14:55
- I-C17 Dominik Leitz *“Comperative Study of Thiourea Oxides and their Protonated Species”*
14:55–15.10
- I-C18 Dominik Kurzydłowski *“Reactivity and magnetic properties of inorganic fluorides at large compression”*
15:10–15:25

ORAL SESSION VI – MATERIALS

Chair: Tomasz Jaroń

Wednesday, 28 August 2019, 14:00–15:30

- M-I11 Łukasz Dobrzycki *“Perfluorination Impact on the Crystal Structures of Decalins”*
14:00–14:20
- M-I12 David Vicić *“New Nickel-Mediated Chemistry Involving Fluorinated Ligands and Substrates”*
14:20–14:40
- M-C16 Dayal Meshri *“Optimized structure of CF_x provides breakthrough in performance of Li-CF_x Cells; its Electrochemical properties Electromagnetic non-destructive evaluation and Network thermodynamics”*
14:40–14:55
- M-C17 Michael Rack *“Fluorine Chemistry for Agrochemicals”*
14:55–15.10
- M-C18 Yanchuan Zhao *“Detection and Identification of Hydroxyl-containing Compounds by ¹⁹F NMR”*
15:10–15:25

ORAL SESSION VII – ORGANIC

Chair: Piotr Kwiatkowski

Wednesday, 28 August 2019, 16:00–17:30

- O-I13 Gerald Hammond *“Efficient Fluorinations of C-C Unsaturated Bonds via a Hydrogen Bonding-Assisted Activation Protocol”*
16:00–16:20
- O-I14 Jaroslav Kvičala *“Chiral and fluorous. Recyclable precatalysts for enantioselective alkene metathesis and Suzuki-Miyaura coupling”*
16:20–16:40
- O-C19 Iliia Blinov *“Gas-liquid direct fluorination of poly(2,6-dimethyl-1,4-phenylene oxide) powder”*
16:40–16:55
- O-C20 Toshiyuki Itoh *“Synthesis of gem-difluorinated compounds via ring-opening of gem-difluorocyclopropane derivatives”*
16:55–17:10
- O-C21 Michael F. Aldersley *“Recent advances in the green synthesis of P-F bond containing compounds”*
17:10–17:25

ORAL SESSION VII – INORGANIC

Chair: Dieter Lentz

Wednesday, 28 August 2019, 16:00–17:30

- I-I13 Herbert W. Roesky *“Boron and Silicon Fluorides of low Valency”*
16:00–16:20
- I-I14 Takayuki Nakamura *“Per and Poly Fluoroalkyl Substances; Regulatory Status and Advocacy Activities”*
16:20–16:40
- I-C19 Anikó Nemes *“New fluorine containing amino acid based chiral NMR shift reagents”*
16:40–16:55
- I-C20 Przemysław Malinowski *“Pushing cations to the limits: salts of Fe²⁺ with the least coordinating anions”*
16:55–17:10
- I-C21 Jan Hendrick Nissen *“No Fear of Perfluorinated Peroxides: Syntheses and Solid-State Structures of Surprisingly Inert Perfluorinated Peroxides”*
17:10–17:25

ORAL SESSION VII – MATERIALS

Chair: Dominik Kurzydłowski

Wednesday, 28 August 2019, 16:00–17:30

- M-I13 Fernando Rodríguez *“Local structure of transition-metal impurities in fluoride hosts through optical spectroscopy”*
16:00–16:20
- M-I14 Miguel Moreno *“New ideas for understanding transition metal compounds”*
16:20–16:40
- M-C19 Jakub Gawraczyński *“Visible light-induced decomposition of AgF₂: towards the first mixed valence silver(I)/(II) fluoride”*
16:40–16:55
- M-C20 Jin-Kyun Lee *“Synthesis of highly fluorinated organic-inorganic nanocomposites possessing improved refractive index and photo-patternability”*
16:55–17:10
- M-C21 Adam Grzelak *“Charge doping of silver(II) fluoride via fluorine depletion – a computational (DFT) study”*
17:10–17:25

POSTER SESSION II – ORGANIC

Wednesday, 28 August 2019, 18.00-20.00

- O-P16 Christian Fischer *"Synthesis of trifluoromethylated Acenes from functionalized Arene Precursors"*
- O-P17 Emilia Gofebiewska *"Ag(II)-promoted Diels-Alder reactions involving fluoroorganics"*
- O-P18 Yasuhiro Hirata *"Synthetic method for halogenated alkyl aryl ethers: the reactivity and selectivity of halogenated olefins with phenol derivatives"*
- O-P19 Yukiko Karuo *"Aryl ammonium fluorides as nucleophilic fluorination reagents"*
- O-P20 Henryk Koroniak *"Synthesis And Application of α -Fluorinated- β -aminophosphonates"*
- O-P21 Ben Murray *"Nucleophilic substitution reactions of 2,3,3,3-tetrafluoropropene"*
- O-P22 Dmitrii Pashkevich *"Fluorination of 1,1,1,2-tetrafluoroethane and methane by elemental fluorine in the medium of a perfluorinated liquid in a reactor with a high-spinning stirrer"*
- O-P23 Jérémy Saiter *"Direct trifluoromethoxylation based on the in situ generation of fluorophosgene"*
- O-P24 Azusa Sato *"Additive-free fluoro-trifluoromethylation reaction of terminal alkenes using persistent perfluoroalkyl radical"*
- O-P25 Nataliya Tolmachova *"Recent advances in synthesis of 3-Polyfluoroalkyl proline analogues"*
- O-P26 Yixin Xie *"Synthesis and Applications of Novel Fluorobenzoiodazolones"*
- O-P27 Conghui Xu *"Versatile Reactivities of Rhodium(I) Complexes Towards Pentafluorostyrene"*
- O-P28 Hikaru Yanai *"1,1-Bis(triflyl)ethylation reaction of heterocyclic compounds"*
- O-P29 Sergiy Zasukha *"Reaction of N-trimethylsilyl derivatives of alpha-amino acids with sulfur tetrafluoride. Preparation and properties of chiral (S)-2-(ethoxy-difluoro-methyl)-pyrrolidine sulfur trifluoride"*
- O-P30 Giulia Bertoli *"Recent methods for sustainable late-stage Fluoroalkyl(thio)lation"*

POSTER SESSION II – INORGANIC

Wednesday, 28 August 2019, 18.00-20.00

- I-P16 Stefanie Beck *"Investigation of parabanic acid in highly acidic media"*
- I-P17 Małgorzata Domańska *"Designing of the recycling procedure of the model salts containing highly-fluorinated weakly coordinating anions"*
- I-P18 Kurt Hoffmann *"Solvent-stabilized, Lewis Superacidic Aluminum Pentafluoroorthotellurato Derivatives"*
- I-P19 Sofiya Kotsyuda *"HFO-1234yf Activation by Brønsted Superacids"*
- I-P20 Lin Li *"Late-transition Metal Fluorides and Oxo Fluorides in Matrix-Isolation"*
- I-P21 Pavlína Lipovská *"Medium Fluorous Ruthenium Catalysts for Alkene Metathesis"*
- I-P22 Nils Pfister *"Synthesis and characterization of trifluorosulfanyl complexes of rhodium and iridium"*
- I-P23 Simon Rachor *"Control of fluorination reactions in the coordination sphere of gold"*
- I-P24 Scott Shreiber *"New Chemistry of First-Row Metals Bearing Fluoroalkyl Substituents"*
- I-P25 Kamil Tokár *"Lattice dynamics and thermodynamic stability of two polymorphic forms of AgF₂"*
- I-P26 Matej Uhliar *"Towards new binary silver halides: from fluorine to chlorine"*
- I-P27 Wojciech Wegner *"Towards mixed and doped Ag²⁺ fluorides with selected lanthanides: Ce, Tb and Yb"*
- I-P28 Raphael Wirthensohn *"Copper-Catalyzed Polypentafluoroethylation: Syntheses of New Perfluoroalkyl Arenes"*
- I-P29 Marcin Witkowski *"1/3 Ni-doped AgF₂? DFT+U study of as yet unknown Ag₂NiF₆"*
- I-P30 Vadim Zhuravlev *"On the Cu⁺-Fe(CO)₅ and Au⁺-Fe(CO)₅ complexes stabilized by weakly coordinating anions"*

POSTER SESSION II – MATERIALS

Wednesday, 28 August 2019, 18.00-20.00

- M-P16 Hiroki Yamamoto *"Reaction of SF₄ with graphite oxide"*
- M-P17 Luís Simões *"Conformational study of fluorine disubstituted crown ethers"*
- M-P18 Suvrat Chowdhary *"Amyloid Formation of Halogenated NFGAIL Variants"*
- M-P19 Mateusz Domański *"High-pressure DFT+U modelling of ternary fluoride AgCuF₄"*
- M-P20 Wojciech Grochala *"Prospect for altering magnetic ordering in silver(II) fluorides and achieving superconductivity via doping"*
- M-P21 Ryo Honma *"Efficient Mineralization of Poly(VDF-co-MAF) in Low-temperature Subcritical Water in the Presence of Potassium Permanganate"*
- M-P22 Sławomir Kasperowicz *"Does fluorine activate proximal halogen bonds – the thermodynamic study of ligand binding to the target protein"*
- M-P23 Kacper Koterak *"Attempts of chemical doping to silver(II) fluoride"*
- M-P24 Soo-Bok Lee *"Synthesis of poly(trifluoroethylene-co-hexafluoropropylene) and its film properties"*
- M-P25 Jérôme Lhoste *"New strategies to prepare fluorinated materials with open structures"*
- M-P26 Fumihiro Nishimura *"Chemical state analysis of a Fluoropolymer by using AES"*
- M-P27 Piotr Antoni Orłowski *"Fluorinated anions in the service of new hydrogen storage materials"*
- M-P28 Magdalena Rapp *"The synthesis of fluorinated phosphonates as peptidomimetics toward aminopeptidase or cathepsin C inhibition"*
- M-P29 Hayato Suzuki *"Titanium dioxide deposition on the surface fluorinated SiC substrate and its performance as a photocatalyst"*
- M-P30 Nicole S. M. Vieira *"Biocompatible Fluorinated Ionic Liquids as a Promising Tool for Green Pharmacy Development"*

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Thursday, 29 August 2019

KEYNOTE SESSION II – ORGANIC*Chair: Jason Dutton*

Thursday, 29 August 2019, 11:00–12:30

- O-K04 Yi Pan *“Asymmetric reactions of detrifluoroacetylately in situ generated fluorinated enolates”*
11:00–11:30
- O-K05 Giuseppe Resnati *“Fluorine activates tetrel and chalcogen bonds formation”*
11:30–12:00
- O-K06 Surya Prakash *“Our Recent Excursions into Fluorinations and Fluoroalkylations”*
12:00–12:30

KEYNOTE SESSION II – INORGANIC*Chair: Chadron M. Friesen*

Thursday, 29 August 2019, 11:00–12:30

- I-K04 Josef Michl *“Electrochemistry of Fluorinated and Other Halogenated CB11 Anions and Radicals”*
11:00–11:30
- I-K05 Gary Schrobilgen *“Group 6 Oxide Fluoride Complexes of NgF₂ (Ng = Kr, Xe), XeF₆, and the Mixed Noble-Gas Cations [FXeFKrF] and [F₅Xe(FKrF)_n]⁺ (n = 1, 2)”*
11:30–12:00
- I-K06 Sebastian Riedel *“Insight’s into the Chemistry of Superacids and fluorinated Peroxides”*
12:00–12:30

KEYNOTE SESSION II – MATERIALS*Chair: Giuseppe Allodi*

Thursday, 29 August 2019, 11:00–12:30

- M-K04 José Lorenzana *“Silver(II) fluoride as a strong analogue of parent superconducting cuprates”*
11:00–11:30
- M-K05 Philip Lightfoot *“New Layered Transition Metal Fluorides”*
11:30–12:00
- M-K06 Haibin Su *“Cuprate-like Electronic Properties in Superlattices with Ag^{II}F₂ Square Sheet”*
12:00–12:30

ORAL SESSION VIII – ORGANIC

Chair: Greg Coates

Thursday, 29 August 2019, 14:00–15:30

- O-I15 Takashi Yamazaki *"Preparation and reactions of CF₃-containing phthalides"*
14:00–14:20
- O-I16 Yuriy Shermolovich *"1,1-Dihydripolyfluoroalkylsulfenyl-, sulfinyl- and sulfonyl chlorides. New types of fluorocontaining sulfur acid chlorides"*
14:20–14:40
- O-C22 Takeo Kawabata *"Asymmetric α -Fluorination of α -Amino Acid Derivatives via Racemization-Resistant C-N Axially Chiral Enolates"*
14:40–14:55
- O-C23 Jernej Iskra *"Selective Synthesis of Trifluoromethyl Aryl Sulfoxides from Arenes with Trifluoromethylthiolation and Oxidation with H₂O₂"*
14:55–15.10
- O-C24 Kirill Petko *"N-Difluoromethylation of parent azoles and monosubstituted polydent azoles"*
15:10–15:25

ORAL SESSION VIII – INORGANIC

Chair: Rika Hagiwara

Thursday, 29 August 2019, 14:00–15:30

- I-I15 Andreas Kornath *"On the Search for Small Dications in Superacids"*
14:00–14:20
- I-I16 Jean-Marc Vincent *"The copper effect in radical and light-mediated trifluoromethylation of alkenes"*
14:20–14:40
- I-C22 Piotr J. Leszczyński *"C-H bond activation in fluorinated compounds with silver(II)"*
14:40–14:55
- I-C23 Phil Liebing *"Oxidative Trifluoromethylation of Metal Centers Using Hypervalent Iodine Reagents"*
14:55–15.10
- I-C24 Graham Pattison *"Fluorinative couplings of geminal bis(boron) compounds and esters"*
15:10–15:25

ORAL SESSION VIII – MATERIALS

Chair: Paweł Szarek

Thursday, 29 August 2019, 14:00–15:30

- M-I15 Martin Rahm *"Compressed Atoms: A Guide for Fluorine Chemistry at High Pressure"*
14:00–14:20
- M-I16 Jesper Bendix *"Fluoride-bridged molecular magnetic systems"*
14:20–14:40
- M-C22 Marek Baranowski *"Synthesis and ¹⁹F NMR applications of 5'-fluoro(di)phosphate oligonucleotides"*
14:40–14:55
- M-C23 Shigeyuki Yamada *"Novel Light-Emitting Liquid Crystals with a Chiral Flexible Unit"*
14:55–15.10
- M-C24 Kerstin Wissel *"Tuning Material's Magnetic Properties by Reversible Electrochemical Fluorine Intercalation"*
15:10–15:25

AWARD SESSION II

Chair: Ingo Krossing

Thursday, 29 August 2019, 16:00–16:30

O-OS2 Winner of the Best Poster Award (TBA)
16:00–16:05

I-OS2 Winner of the Best Poster Award (TBA)
16:05–16:10

M-OS2 Winner of the Best Poster Award (TBA)
16:10–16:15

INT-6 Wojciech Grochala (Press Report)
16:15–16:30

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Friday, 30 August 2019

PLENARY SESSION IV

Chair: José Lorenzana

Friday, 30 August 2019, 09:00–10:30

- PL-7 Pierangelo Metrangolo *“Innovative Fluorinated Theranostics”*
09:00–09:45
- PL-8 Stephen Blundell *“The muon anchored by fluorine as a magnetic probe”*
09:45–10:30

ORAL SESSION IX – ORGANIC

Chair: Ana B. Pereiro

Friday, 30 August 2019, 11:00–12:30

- O-I17 Yi Wang “New Redox-active Esters for Fluoroalkylations of Unactivated Olefins”
11:00–11:20 (ERRATUM: exchanged with O-I05 Feng-Ling Qing)
- O-I18 Joseph Thrasher “Short Ag...Ag and Ag...O contacts in silver polyfluoroacetate salts and short F...F and F(Cl)...O contacts in fluoroorganic crystals”
11:20–11:40
- O-C25 Takashi Niwa “Convergent synthesis of fluoroalkenes using a bis-reactive unit”
11:40–11:55
- O-C26 Sergiy Mykhaylychenko “Synthesis of fluorinated heterocycles via the 1,3-dipolar cycloaddition reactions from amides of polyfluoroalkanethiocarboxylic acids”
11:55–12:10
- O-C27 Luís Simões “Stereo-electronic effects in multivincinal fluorinated n-alkanes”
12:10–12:25

ORAL SESSION IX – INORGANIC

Chair: Andreas Kornath

Friday, 30 August 2019, 11:00–12:30

- I-I17 Rimantas Knizikevicius “Statistical insights into the reaction of fluorine atoms with silicon”
11:00–11:20
- I-I18 Benson Jelier “Radical Fragmentation of N–X Bonds for Late-Stage Diversification of Organic Molecules”
11:20–11:40
- I-C25 Łukasz Wolański “Crystal structures and magnetic properties of $KAgF_3$ and K_2AgF_4 under high pressures up to 100 GPa – computational study”
11:40–11:55
- I-C26 Berthold Hoge “Synthesis and Properties of Tetrakis(pentafluoroethyl)gallate, $[Ga(C_2F_5)_4]^-$ ”
11:55–12:10
- I-C27 Magdalena Rapp “Transformations of α -hydroxyphosphonates derived from proline or serine with application of fluorinating reagents”
12:10–12:25

ORAL SESSION IX – MATERIALS

Chair: Martin Rahm

Friday, 30 August 2019, 11:00–12:30

- M-I17 Piotr Połczyński “Electrosynthesis in anhydrous HF”
11:00–11:20
- M-I18 Giuseppe Allodi “ ^{19}F NMR study of the canted antiferromagnet AgF_2 ”
11:20–11:40
- M-C25 Zita Tokárová “Towards functional materials by SNAr of polyfluorobenzenes”
11:40–11:55
- M-C26 Pawel Szarek “On stability of iridium IX-th oxidation state in neutral and anionic complexes”
11:55–12:10
- M-C27 Kamil Tokár “Response of valence ordering in AgF_2 to B_{2g} Ag–F stretching phonon”
12:10–12:25

ORAL SESSION X – ORGANIC

Chair: Joe Thrasher

Friday, 30 August 2019, 14:00–15:30

- O-C28 Nadiia Pikun *"Synthesis of fluorinated 2,6-heptanediones, cyclohexanediones and 2-oxa-6-azabicyclo [2.2.2]octanes via electrophilic fluorination of Hantzsch-type 1,4-dihydropyridines with Selectfluor[®]"*
14:00–14:20
- O-C29 Andrzej Szczurek *"TBAF induced fluorination of tri-2,4,6-(ethynyl)-1,3,5-triazine"*
14:20–14:40
- O-C30 Hikaru Yanai *"Fluorinated zwitterion-induced Mukaiyama aldol type reaction and its applications to naphthalene synthesis"*
14:40–14:55
- O-C31 Serhii Siryi *"Trifluoromethylated thiofuranose derivatives"*
14:55–15.10
- O-C32 Vadim Timoshenko *"(2+3)-Cycloaddition to functional substituted trifluoromethyl olefins"*
15:10–15:25

ORAL SESSION X – INORGANIC

Chair: Benson Jelier

Friday, 30 August 2019, 14:00–15:30

- I-C28 Wojciech Wegner *"Theoretical estimation of the work function of AgF₂"*
14:00–14:20
- I-C29 Neshat Rozatian *"A Quantitative Reactivity Scale for Electrophilic Fluorinating Reagents"*
14:20–14:40
- I-C30 Jan Sprenger *"Convenient Syntheses for Fluorocyanoborates"*
14:40–14:55
- I-C31 Anja Wiesner *"Versatility of Weakly Coordinating Pentafluoroorthotellurato Aluminium and Gallium Anions"*
14:55–15.10
- I-C32 Subrahmanyam Bandaru *"Fate of charge carriers in AgF₂"*
15:10–15:25

ORAL SESSION X – MATERIALS

Chair: Piotr Połczyński

Friday, 30 August 2019, 14:00–15:30

- M-C28 Agnieszka Starobrat *"Precursors bearing fluorinated weakly coordinating anions for synthesis of pure mixed-metal borohydrides"*
14:00–14:20
- M-C29 Justyna Walkowiak-Kulikowska *"Synthesis of fluorinated styrene derivatives and its application for preparing aromatic fluoropolymers"*
14:20–14:40
- M-C30 Andrzej Katrusiak *"Fluorine²–Fluorine attraction – when 3 is not too many"*
14:40–14:55
- M-C31 Weronika Wanat *"Synthesis and inhibitory properties evaluation of aminophosphonic acids bearing fluorine atoms towards animal and human aminopeptidases"*
14:55–15.10
- M-C32 Lucas Zeoly *"The JFH coupling constant in 2-fluorophenol and related compounds is transmitted thorough repulsive interactions"*

SPECIAL SESSION*Chair: Janusz Jurczak*

Friday, 30 August 2019, 16:00–17:30

INT-SL Janusz Jurczak
16.00–16.05SL Roald Hoffmann "*Inverting Ligand Fields*"
16.05–17.30**17:30–18:00 CLOSING SESSION**

Friday, 30 August 2019, 17:30–18:00

CLO-1 Wojciech Grochala "*Farewell*"
17.30–17.45CLO-2 Henryk Koroniak "*The forthcoming Fluorine Days in Poznań, Poland 2020*"
17.45–17.50CLO-3 Michael Gerken "*The forthcoming 23rd ISFC in Quebec, Canada 2021*"
17.50–17.55CLO-4 Thomas Braun, Sebastian Riedel "*The forthcoming 20th ESFC in Berlin, Germany 2022*"
17.55–18.00

F-2019

Trips and social events

TRIP COPERNICUS I

Sunday, 25 August 2019, 08:30–17:00

TRIP CHOPIN I

Sunday, 25 August 2019, 10:00–14:30

TRIP CURIE I

Tuesday, 27 August 2019, 08.00–10.30

TRIP CURIE II

Thursday, 29 August 2019, 08.00–10.30

TRIP COPERNICUS II

Saturday, 31 August 2019, 8:30–17:00

TRIP CHOPIN II

Saturday, 31 August 2019, 09:00–13:30

NOTE! Busses and minivans will depart from **Hotel Ibis Reduta** (Bitwy Warszawskiej 16, 02-366 Warsaw), and return to the same location.

KICK-OFF

Sunday, 25 August 2019, 19:00–21:00

Gardens of the University of Warsaw Library, Dobra 56/66, 00-312 Warsaw

GROUP PHOTO

Wednesday, 28 August 2019, 8:50–09:00

Entrance to the Center of New Technologies University of Warsaw, S. Banacha 2c, 02-097 Warsaw (good weather)

or

Great Aula of the Faculty of Physics University of Warsaw, L. Pasteura 5, 02-093 Warsaw (bad weather)

BANQUET

Thursday, 29 August 2019, 19:00–22:00

Maria Skłodowska-Curie room, Palace of Culture and Science, Plac Defilad 1, 00-901 Warsaw

NOTE! Busses to Hotel Ibis Reduta will depart at **22:00** from the Palace of Culture and Science. and go to Ibis Reduta Hotel.

COCKTAIL

Friday, 30 August 2019, 18.00–20.00

Atrium of the Center of New Technologies University of Warsaw, S. Banacha 2c, 02-097 Warsaw

ISC Meeting and Lunch

Wednesday, 28 August 2019, 12.30–14.00

The ground level aula of the Center of New Technologies University of Warsaw, S. Banacha 2c, 02-097 Warsaw