



3 | 9 August 2025

## ESFC LISBON

21<sup>st</sup> European Symposium  
on Fluorine Chemistry

F

# SYMPOSIUM PROGRAM

### EMAIL

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### WEBSITE

[21-esfc-lisbon.events.chemistry.pt](http://21-esfc-lisbon.events.chemistry.pt)



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## General Information: Lisbon



**Lisbon** was awarded by the [World Travel Awards](#) as Europe's Leading City Destination 2024. It is the capital of Portugal and a historical city full of stories to tell, where the sun shines 290 days a year and the temperature rarely drops below 15 °C. A city where you feel safe wandering around day or night, where the cuisine is dedicated to creating over a thousand ways to cook the beloved ***bacalhau*** (salted cod), and where you will find hotels and restaurants to suit every taste, budget and requirement. Discover Lisbon, a city full of authenticity where old customs and ancient history intermix with cultural entertainment and hi-tech innovation. Lisbon is ageless, but it loves company, as you will find out if you meet someone and ask them to explain, with lots of gestures and repetition, where the best place is to listen to ***Fado***. After all, Lisbon is famous for its hospitality and the family-like way it welcomes visitors.

Please find further information about Lisbon's top attractions, events, restaurants, hotels and more on this official website: <https://www.visitlisboa.com/>.

**Time Zone:** The time zone in Lisbon is WEST (summer) and GMT (winter).

**Water:** Tap water in Portugal is safe drinking water!

**Electricity:** Standard voltage is 220V AC. Plugs are European style with two round pins.

**Currency, Banks and Post Offices:** The national currency in Portugal is the Euro. Banks are open from Monday to Friday between 8:30 a.m. and 3 p.m. Post offices are usually open between 8:30 a.m. and 6 p.m. Exchange houses operate every day between 9 a.m. and 1 p.m. and from 2 p.m. to 7 p.m.

# Programme Summary

| Sunday, August 3, 2025 |       |                                         | Room                      |
|------------------------|-------|-----------------------------------------|---------------------------|
| 9:00                   | 13:00 | Excursion Sintra & Cascais              | -                         |
| 14:30                  | 18:30 | Registration                            | Pavilion 3                |
| 16:30                  | 18:30 | Opening Session                         | Auditorium II             |
| 17:15                  | 18:15 | Plenary Session - Pierangelo Metrangolo | Auditorium II             |
| 18:30                  | 20:30 | Welcome Reception                       | In front of Auditorium II |

| Monday, August 4, 2025 |       |                                       | Room          |
|------------------------|-------|---------------------------------------|---------------|
| 8:30                   | 18:30 | Registration                          | Pavilion 3    |
| 9:00                   | 10:00 | Plenary Session - Mark Shiflett       | Auditorium II |
| 10:00                  | 10:45 | Keynote Session - Marie-Pierre Krafft | Auditorium II |
| 10:45                  | 11:15 | Coffee Break & Exhibition             | Pavilion 3    |
| 11:15                  | 13:30 | Parallel sessions I (see program)     |               |
| 13:30                  | 14:30 | Lunch Break                           |               |
| 14:30                  | 16:30 | Parallel sessions II (see program)    |               |
| 16:30                  | 17:00 | Coffee Break & Exhibition             | Pavilion 3    |
| 17:00                  | 18:30 | Parallel sessions III (see program)   |               |

| Tuesday, August 5, 2025 |       |                                                                                                                           | Room                                        |
|-------------------------|-------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 8:30                    | 18:30 | Registration                                                                                                              | Pavilion 3                                  |
| 9:00                    | 10:00 | Plenary Session - Veronique Gouverneur                                                                                    | Auditorium II                               |
| 10:00                   | 10:45 | Keynote Session - Beate Kokschi                                                                                           | Auditorium II                               |
| 10:45                   | 10:50 | Group Photo                                                                                                               | Stairs between Auditorium II and Pavilion 3 |
| 10:50                   | 11:15 | Coffee Break & Exhibition                                                                                                 | Pavilion 3                                  |
| 11:15                   | 13:30 | Public Discussion About PFAS                                                                                              | Auditorium II                               |
| 13:30                   | 14:30 | Lunch Break                                                                                                               |                                             |
| 14:30                   | 18:30 | Excursion Belém & Jerónimos/ Events and activities organised by European projects MAR2PROTECT, ALERT-PFAS and LIFE4FGASES | Pavilion 3                                  |

| Wednesday, August 6, 2025 |       |                                     | Room          |
|---------------------------|-------|-------------------------------------|---------------|
| 8:30                      | 18:30 | Registration                        | Pavilion 3    |
| 9:00                      | 10:00 | Plenary Session - Dexi Weng         | Auditorium II |
| 10:00                     | 10:45 | Keynote Session - Matthew Hopkinson | Auditorium II |
| 10:45                     | 11:15 | Coffee Break & Exhibition           | Pavilion 3    |
| 11:15                     | 13:30 | Parallel sessions IV (see program)  |               |
| 13:30                     | 14:30 | Lunch Break                         |               |
| 14:30                     | 17:15 | Parallel sessions V (see program)   |               |
| 17:15                     | 19:30 | Poster Session                      | Pavilion 3    |

| Thursday, August 7, 2025 |       |                                     | Room           |
|--------------------------|-------|-------------------------------------|----------------|
| 8:30                     | 18:30 | Registration                        | Pavilion 3     |
| 9:00                     | 10:00 | Plenary Session - Feng-Ling Qing    | Auditorium II  |
| 10:00                    | 10:45 | Keynote Session - Berthold Hoge     | Auditorium II  |
| 10:45                    | 11:15 | Coffee Break & Exhibition           | Pavilion 3     |
| 11:15                    | 13:30 | Parallel sessions VI (see program)  |                |
| 13:30                    | 14:30 | Lunch Break                         |                |
| 14:30                    | 16:30 | Parallel sessions VII (see program) |                |
| 16:30                    | 17:00 | Coffee Break & Exhibition           | Pavilion 3     |
| 17:00                    | 18:30 | Flash Presentations (see program)   | Auditorium II  |
| 20:00                    | 23:00 | Conference Dinner                   | Restaurant SUD |

| Friday, August 8, 2025 |       |                                      | Room          |
|------------------------|-------|--------------------------------------|---------------|
| 8:30                   | 13:30 | Registration                         | Pavilion 3    |
| 9:00                   | 10:00 | Plenary Session - Florian Kraus      | Auditorium II |
| 10:00                  | 10:45 | Keynote Session - Cormac Murphy      | Auditorium II |
| 10:45                  | 11:15 | Coffee Break & Exhibition            | Pavilion 3    |
| 11:15                  | 12:00 | Keynote Session - Kazuhiko Matsumoto | Auditorium II |
| 12:00                  | 13:00 | Plenary Session - Petr Beier         | Auditorium II |
| 13:00                  | 14:30 | Closing Session + Awards             | Auditorium II |
| 15:30                  | 19:30 | Excursion Alfama                     | -             |

| Saturday, August 9, 2025 |       |                            |
|--------------------------|-------|----------------------------|
| 9:30                     | 17:30 | Excursion Sintra & Cascais |

# Welcoming Message

Dear Colleagues,

On behalf of the Organising Committee, we welcome you to the 21<sup>st</sup> European Symposium on Fluorine Chemistry in Lisbon, Portugal.

The European Symposium on Fluorine Chemistry (ESFC) brings together industrial and academic fluorine chemists from around the world and was first held in Munich in 1965. The conference is held every three years in Europe, and the event and scientific program cover all topics related to fluorine technologies and fluorine chemistry.

The 21<sup>st</sup> European Symposium on Fluorine Chemistry will be held in Lisbon, Portugal, hosted by the NOVA School of Science and Technology and LAQV/REQUIMTE in partnership with the Portuguese Society of Chemistry (SPQ). The ESFC LISBON will bring together large numbers of international researchers from academia, research institutes, and industry. The scientific program offers forums that encompass a wide range of applied and fundamental fluorine chemistry. It will offer insights from physical and theoretical chemistry, as well as the fields of fluorine technologies, sustainable processes, biomedicine, and materials science, among others.

We look forward to an outstanding program filled with engaging scientific discussions, as well as the opportunity for you to experience the rich history, vibrant culture, and natural beauty of Lisbon and Portugal.

The 21<sup>st</sup> ESFC Chairs:



**Ana B. Pereiro**

LAQV/REQUIMTE, NOVA School of Science and Technology (NOVA FCT), NOVA University Lisbon, Portugal



**João M. M. Araújo**

LAQV/REQUIMTE, NOVA School of Science and Technology (NOVA FCT), NOVA University Lisbon, Portugal

# Committees

## Conference Chairs

Ana B. Pereiro and João M. M. Araújo

LAQV/REQUIMTE, NOVA School of Science and Technology (NOVA FCT), NOVA University Lisbon, Portugal

## Organizing Committee

Beatriz Pereira Machado - LAQV/REQUIMTE, NOVA FCT

Clara S. B. Gomes - LAQV/REQUIMTE, NOVA FCT

Inês Matos - LAQV/REQUIMTE, NOVA FCT

Joana C. Bastos - LAQV/REQUIMTE, NOVA FCT

Julio Eduardo Sosa Parra - LAQV/REQUIMTE, NOVA FCT

Márcia Ventura - LAQV/REQUIMTE, NOVA FCT

Maria Bernardo - LAQV/REQUIMTE, NOVA FCT

Maria Camila Naranjo - LAQV/REQUIMTE, NOVA FCT

Maria Vaz - LAQV/REQUIMTE, NOVA FCT

Srdana Kolakovic Oliveira Barreiros - LAQV/REQUIMTE, NOVA FCT

## Scientific Committee

Beate Koksche, Germany

Bruno Ameduri, France

David O'Hagan, UK

Joseph Thrasher, USA

Marie Pierre Krafft, France

Michael Gerken, Canada

Norio Shibata, Japan

Olga Boltalina, USA

Pierangelo Metrangolo, Italy

Thomas Braun, Germany

Véronique Gouverneur, UK

Wojciech Grochala, Poland

## International Advisory Board

Carlos Jacinto, Brazil  
David A. Dixon, USA  
Deepak Chopra, India  
Erhard Kemnitz, Germany  
Feng-Ling Qing, China  
Frédéric Leroux, France  
Gary Schrobilgen, Canada  
Gašper Tavčar, Slovenia  
Giuseppe Resnati, Italy  
Jaroslav Kvíčala, Czech Republic  
Jean-François Paquin, Canada  
Jean-Marc Vincent, France  
Jinbo Hu, China  
Kazuhiko Matsumoto, Japan  
Krasimir Aleksandrov, Germany  
Ljupco Pejov, Macedonia  
Miguel Baya García, Spain  
Miroslav Boča, Slovakia  
Norman Lu, Taiwan  
Petr Beier, Czech Republic  
Rimantas Knizikevičius, Lithuania  
Sebastian Hasenstab-Riedel, Germany  
Shlomo Rozen, Israel  
Timothy Noël, Netherlands

# Venue and Maps

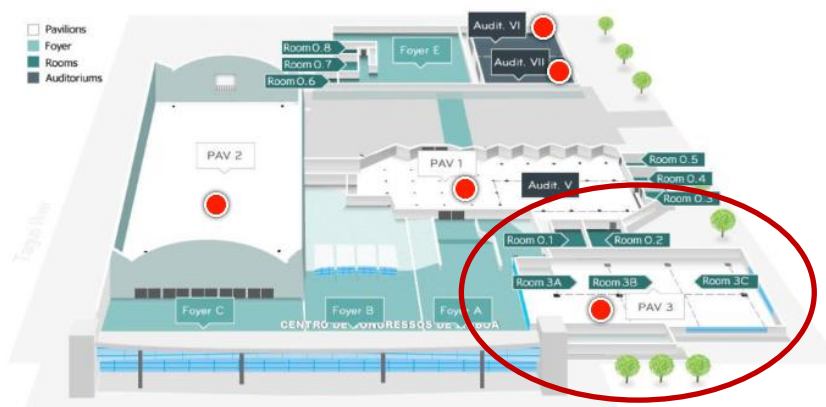
**The Lisbon Congress Centre (CCL)** is located next to the Tagus River, close to the historic and cultural heritage area of Belém, just a few minutes from the city centre. This area benefits from a wide range of transport options, and it is a welcoming space to carry out congresses, conferences, business meetings, fairs, parties, exhibitions and other events.

## Address:

Praça das Industrias, 1

1300-307 Lisbon, Portugal

## GROUND FLOOR | Pavilion 3, Rooms 3A, 3B and 3C



## FIRST FLOOR | Auditorium II



# Technical Information

## WIFI

**SSID:** ESFC LISBON

**Password:** ch3m!LX25

## LECTURES

### Length

Plenary Lecture | PL | 60 min

Keynote | KN | 45 min

Invited Lecture | IL | 20 min

Oral communication | Oral | 15 min

Flash presentation | FP | 5 min

Please help keep our conference programme on schedule by adhering to these time limits.

### Delivery of data for presentations

Please prepare your PowerPoint presentations in 16:9 format and submit them to email [esfc.lisbon@chemistry.pt](mailto:esfc.lisbon@chemistry.pt) before the start of the conference. Alternatively, you may deliver them in person in the designated presentation room, no later than the session preceding your own.

## POSTER SESSION

Wednesday, August 6<sup>th</sup>, 2025 | 17:15 – 19:30

**Room:** Pavilion 3

Posters can be mounted from the morning of August 6<sup>th</sup>. The poster session of the 6<sup>th</sup> will be accompanied by a light dinner. The posters will be

**exhibited from August 6<sup>th</sup> to August 8<sup>th</sup>.** Each poster has been assigned a number, which will also be displayed on the movable wall. Our friendly ESFC LISBON staff will be on hand to assist you in finding your designated poster spot and will provide mounting material as well as assistance. Please remember to remove your posters at the end of the conference.

## SOCIAL PROGRAMME

**Welcome Reception** | Sunday, August 4<sup>th</sup>, 2025 | 18:30 – 20:30

After gathering in Auditorium II for the opening session and the first plenary lecture of ESFC LISBON 2025, we will

move to the welcome reception that will take place **in front of Auditorium II.**

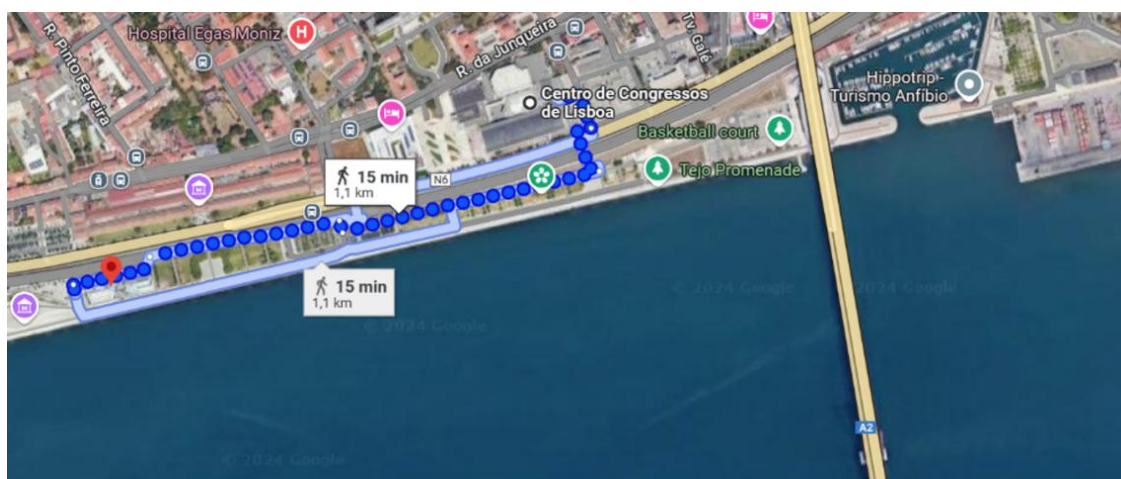
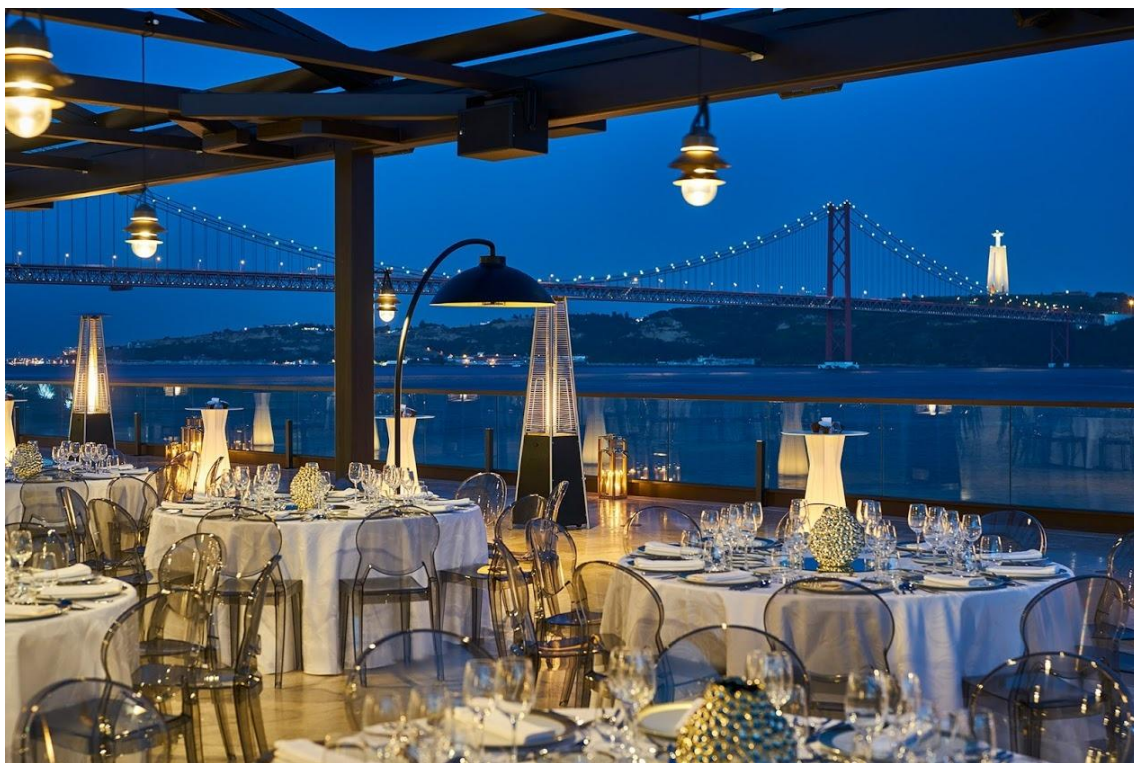
**Conference Dinner** | Thursday, August 7<sup>th</sup>, 2025 | 20:00 – 23:00

The Conference Dinner will be held at the **SUD Lisboa Hall**. Situated in the

iconic Belém district of Lisbon, this venue seamlessly blends modernity,

sophistication, and innovation, ensuring every event is truly one of a kind. Just a 15-minute walk from the conference

venue (CCL), it offers a scenic riverside route with breathtaking views of Lisbon's stunning 25<sup>th</sup> of April Bridge.



## Group Photo

Tuesday, August 5<sup>th</sup>, 2025 | 10:45 – 10:50

The group photograph is scheduled for Tuesday, August 5<sup>th</sup> at 10:45 **on the**

**stairs between Auditorium II and Pavilion 3.**



ESFC LISBON  
29<sup>th</sup> European  
Symposium on  
Fluorine Chemistry

# Scientific Programme: Talks

Sunday, August 3<sup>rd</sup>, 2025

Sunday

## OPENING SESSION

**Room:** Auditorium II

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16:30 – 18:30      **WELCOMING WORDS**

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## PLENARY SESSION - PIERANGELO METRANGOLO

**Room:** Auditorium II

**Chair:** Ana B. Pereiro and João M. M. Araújo, NOVA FCT, Portugal

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17:15 – 18:15      **INTERMOLECULAR RECOGNITION PHENOMENA INVOLVING POLY-FLUOROALKYL AMPHIPHILES**

PL      **Pierangelo Metrangolo**, Politecnico di Milano, Italy

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## WELCOME RECEPTION

**Room:** Auditorium II

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18:30 – 20:30      **FIRST FLOOR CCL – IN FRONT OF AUDITORIUM II**

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Sunday



ESFC LISBON  
29<sup>th</sup> European  
Symposium on  
Fluorine Chemistry

# Monday, August 4<sup>th</sup>, 2025

## PLENARY SESSION - MARK SHIFLETT

**Room:** Auditorium II

**Chair:** Bruno Ameduri, Institute Charles Gerhardt Montpellier, France

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|               |                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------|
| 09:00 – 10:00 | <b>NSF ENGINEERING RESEARCH CENTER EARTH (ENVIRONMENTALLY APPLIED REFRIGERANT TECHNOLOGY HUB)</b> |
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| PL | <b>Mark B. Shiflett</b> , University of Kansas, USA |
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## KEYNOTE SESSION - MARIE-PIERRE KRAFFT

**Room:** Auditorium II

**Chair:** Wojciech Grochala, University Warsaw, Poland

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|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 – 10:45 | <b>PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS): A TALE OF TWO FACES FOCUSING ON THE SUPRAMOLECULAR SELF-ASSEMBLING PROPENSITY OF PFAS SURFACTANTS</b> |
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| KN | <b>Marie Pierre Krafft</b> , University of Strasbourg, France |
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## PARALLEL SESSION I – ORGANIC CHEMISTRY

**Room:** Auditorium II

**Chair:** Dominique Cahard, CNRS, France

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| 11:15 – 11:35 | <b>THE SYNTHESIS AND PROPERTIES OF PARTIALLY FLUORINATED ALIPHATIC MOTIFS FOR APPLICATIONS IN MATERIALS AND PHARMACEUTICALS CHEMISTRY</b> |
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| IL | <b>David O'Hagan</b> , University of St Andrews, UK |
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| 11:35 – 11:55 | <b>REPURPOSING HFCS: A PATHWAY TOWARD GREENER FLUORINE CHEMISTRY</b> |
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| IL | <b>Norio Shibata</b> , Nagoya Institute of Technology, Japan |
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| 11:55 – 12:10 | <b>DIVERGENT ACCESS TO SULFUR FLUORINE GROUP-CONTAINING MOLECULES</b> |
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| Oral | <b>Tim Gatzenmeier</b> , University of Nebraska-Lincoln, USA |
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|---------------|------------------------------------------------------------------------------------------------------------------------------|
| 12:10 – 12:25 | <b>SELECTFLUOR PROMOTED DIRECTING GROUP AND TRANSITION METAL CATALYST FREE SITE-SELECTIVE C7 FLUORINATION OF 2-OXINDOLES</b> |
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| Oral | <b>Madan Kumar</b> , Indian Institute Of Technology–Ropar (IIT–Ropar), India |
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| 12:25 – 12:40 | <b>NEW FLUORINE-CONTAINING PROLINES FOR DRUG DISCOVERY</b> |
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| Oral | <b>Ivan Kondratov</b> , Enamine Germany, Germany |
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| 12:40 – 12:55 | <b>RADICAL PHOTOCHEMICAL DIFLUOROSULFOXIMINATION OF ALKENES AND PROPELLANES</b> |
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| Oral | <b>Julien Paut</b> , University of Paris-Saclay, France |
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| 12:55 – 13:10 | <b>RATIONAL DESIGN OF POLYFLUORINATED PEPTIDE-BASED BIOMATERIALS</b> |
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| Oral | <b>Maurizio Iannuzzi</b> , Freie Universität Berlin, Germany |
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Monday

13:10 – 13:25 **TOWARDS A NEW DIRECT METHOD FOR THE SYNTHESIS OF ARYL DIFLUOROALKYL ETHERS FROM THE DIFLUOROMETHOXY (-OCHF<sub>2</sub>) MOIETY**

Oral **Guillaume Siegel**, CNRS - Université de Strasbourg, France

## PARALLEL SESSION I – INORGANIC CHEMISTRY & COMPUTATIONAL CHEMISTRY

**Room: 3A**

**Chair:** Beate Kokschi, Freie University of Berlin, Germany

11:15 – 11:35 **CHEMISTRY OF MOF<sub>5</sub> AND MOOF<sub>3</sub>**

IL **Michael Gerken**, University of Lethbridge, Canada

11:35 – 11:55 **METAL FLUORIDE COMPLEXES AS FUNCTIONAL, STRUCTURE-DIRECTING BUILDING BLOCKS IN MOLECULAR MAGNETISM AND BEYOND**

IL **Jesper Bendix**, University of Copenhagen, Denmark

11:55 – 12:10 **PHYSICOCHEMICAL PARAMETERS OF CHEMICAL CAPACITORS FEATURING FLUORINE-RICH OXIDIZERS AND SEPARATORS**

Oral **Łukasz Wolański**, University of Warsaw, Poland

12:10 – 12:25 **NOVEL X<sub>E</sub>-N AND X<sub>E</sub>-O BONDED CATIONS: FORMATION, STRUCTURE, AND REACTIVITY**

Oral **Kristian Radan**, Jozef Stefan Institute, Slovenia

12:25 – 12:40 **FROM COPPER TO LANTHANIDES: UNIQUE COMPLEXES WITH WEAKLY BOUND LIGANDS AND STABILIZED BY WEAKLY COORDINATING ANIONS**

Oral **Przemysław J. Malinowski**, Centre of New Technologies, University of Warsaw, Poland

12:40 – 12:55 **DECODING THE FLUOROUS EFFECT WITH IR SPECTROSCOPY**

Oral **Ruben Cruz**, Freie Universität Berlin, Germany

12:55 – 13:10 **SUPERCONDUCTIVITY IN LITHIUM HYDRIDE LAYER ENHANCED BY FLUORIDE SUBSTRATES**

Oral **Piotr Szkudlarek**, University of Warsaw, Poland

## PARALLEL SESSION I – CONTAMINANTS OF EMERGING CONCERN SPONSORED BY MAR2PROTECT

**Room: 3B**

**Chair:** Manuel M. Piñeiro, Universidade de Vigo, Spain

11:15 – 11:30 **IMPLEMENTING LIVINGLABS FOR GROUNDWATER PROTECTION: MAR2PROTECT EXPERIENCES IN EUROPE AND AFRICA**

IL **Uta Wehn**, IHE Delft Institute for Water Education, The Netherlands

11:30 – 11:45 **NATURAL WETLANDS AS NATURE-BASED SOLUTIONS TO REMOVE POLLUTANTS AND PROMOTE THE GOOD QUALITY OF ESTUARINE SURFACE WATER**

IL **C. Marisa R. Almeida**, CIIMAR, Porto University, Portugal

11:45 – 12:00 **REAL-TIME BIOMONITORING OF EMERGING CONTAMINANTS IN WATER RESOURCES**

IL **Gideon Wolfaardt**, Stellenbosch University, South Africa



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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 12:00 – 12:15 | <b>INTEGRATED FIXED-BED COLUMN ADSORPTION AND SOLID-STATE FERMENTATION FOR EFFECTIVE REMOVAL OF BISPHENOL A USING BIOCHAR-BASED BIOMATERIALS</b> |
| IL            | <b>Atef Jaouani</b> , University of Tunis El Manar, Tunisia                                                                                      |
| 12:15 – 12:30 | <b>NOVEL BIO-BASED ADSORBENTS FOR PFAS REMOVAL: A LIFE CYCLE ASSESSMENT APPROACH</b>                                                             |
| IL            | <b>Jolanta Dvarionienė</b> , Kaunas University of Technology, Lithuania                                                                          |
| 12:30 – 12:45 | <b>CHARACTERIZING AND ASSESSING REMOVAL PERFORMANCE OF TARGET NATURAL CONTAMINANTS IN A LAKE-WATER PILOT INSTALLATION IN THE NETHERLANDS</b>     |
| IL            | <b>Sergio Salinas</b> , IHE Delft, The Netherlands                                                                                               |
| 12:45 – 12:55 | <b>REMOVAL OF PER- AND POLY-FLUOROALKYL SUBSTANCES (PFAS) AND PHARMACEUTICALS ONTO ACTIVATED CARBON FROM WASTEWATER EFFLUENTS</b>                |
| Oral          | <b>María C. Naranjo</b> , Nova School of Science of Technology, FCT NOVA, Portugal                                                               |
| 12:55 – 13:05 | <b>SUITABILITY AND FEASIBILITY MAPPING TO ASSESS MANAGED AQUIFER RECHARGE SOLUTIONS TO COPE WITH GROUNDWATER POLLUTION</b>                       |
| Oral          | <b>Isabel Gamallo Paz</b> , CETAQUA - Water Technology Center, Spain                                                                             |
| 13:05 – 13:15 | <b>PHARMACEUTICAL REMOVAL FROM WASTEWATER BY ADSORPTION ON COMMERCIAL MATERIALS AND MOLECULARLY IMPRINTED POLYMERS</b>                           |
| Oral          | <b>Elisa Girometti</b> , University of Bologna, Italy                                                                                            |
| 13:15 – 13:25 | <b>PFAS OPTICAL DETECTION APPROACH IN MAR2PROTECT</b>                                                                                            |
| Oral          | <b>Moisés Barata</b> , Instituto de Telecomunicações, Portugal                                                                                   |

## PARALLEL SESSION II – INORGANIC CHEMISTRY

**Room:** Auditorium II

**Chair:** Florian Kraus, Philipps-Universität Marburg, Germany

|               |                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:30 – 14:50 | <b>A POTPOURRI OF MAIN-GROUP FLUORINE CHEMISTRY</b>                                                                                            |
| IL            | <b>Joseph S. Thrasher</b> , Clemson University, USA                                                                                            |
| 14:50 – 15:05 | <b>INVESTIGATION ON THE PENTAFLUOROSULFATE (-OSF<sub>5</sub>) GROUP FOR INORGANIC AND (BIO)ORGANIC APPLICATIONS</b>                            |
| Oral          | <b>Alexandre Millanvois</b> , Freie Universität Berlin, Germany                                                                                |
| 15:05 – 15:20 | <b>SOLUBILITY INVESTIGATION OF SELECTED RE<sub>2</sub>O<sub>3</sub> IN (LiF-NaF)<sub>EUT</sub> VS (LiF-NaF-REF<sub>3</sub>) MOLTEN SYSTEMS</b> |
| Oral          | <b>Blanka Kubíková</b> , Institute of Inorganic Chemistry, Slovak Academy of Sciences, Slovakia                                                |
| 15:20 – 15:35 | <b>NEW BORYL AND DIBORATE DIANIONS</b>                                                                                                         |
| Oral          | <b>Merlin Bohn</b> , Universität Würzburg, Germany                                                                                             |
| 15:35 – 15:50 | <b>CRYSTAL STRUCTURE ELUCIDATION OF XENON COMPOUNDS BY 3D ELECTRON DIFFRACTION ON NANOMETER-SIZED CRYSTALLITES</b>                             |
| Oral          | <b>Matic Lozinsek</b> , Jozef Stefan Institute, Slovenia                                                                                       |
| 15:50 – 16:05 | <b>ORGANYLPENTAFLUOROPHOSPHATE IONS</b>                                                                                                        |
| Oral          | <b>Jan-Hendrik Schröder</b> , Bielefeld University, Germany                                                                                    |
| 16:05 – 16:20 | <b>AUTOCATALYTIC DEGRADATION OF THE EXTREMELY POTENT GREENHOUSE GAS SF<sub>6</sub> IN BASIC ALCOHOLIC SOLUTION</b>                             |

Oral **Alexander Sietmann**, University of Innsbruck, Austria

16:20 – 16:35 **COPPER(I) COMPLEXES WITH WEAKLY BASIC LIGANDS: EXPLORING CU(I) INTERACTIONS WITH DINITROGEN AND FLUORINATED ARENES**

Oral **Julie Willrett**, University of Freiburg, Germany

## PARALLEL SESSION II – ORGANOMETALLIC CHEMISTRY

**Room: 3A**

**Chair:** Jean-François Paquin, Université Laval, Canada

14:30 – 14:50 **PREPARATION AND STUDIES OF FLUORINATED LIGANDS AND THEIR METAL COMPLEXES (PT, PD, ZN, ETC.): FROM CATALYSIS TO THE NON-COVALENT BOND-INDUCED C-H AND C-C BOND CHANGES**

IL **Norman Lu**, Institute of Organic and Polymeric Materials, National Taipei University of Technology, Taiwan

14:50 – 15:10 **NOVEL  $\text{Cu}^{\text{III}}\text{CF}_3$  COMPOUNDS RELEVANT TO C–C AND C–HETEROATOM BOND FORMATION**

IL **Noel Nebra**, Laboratoire Hétérochimie Fondamentale et Appliquée (LHFA), CNRS - Université Toulouse III, France

15:10 – 15:30 **USING ORTHOCARBORANE AS A REPLACEMENT FOR THE ARYL GROUP TO GREATLY INCREASE THE OXIDIZING POWER OF " $\text{ArIF}_2$ " AND " $\text{ArI}(\text{OTf})_2$ "**

IL **Jason L. Dutton**, La Trobe University, Australia

15:30 – 15:45 **ENHANCING PD(IV) STABILITY: TRIFLUOROMETHYL ORGANOPALLADIUM COMPLEXES**

Oral **Juan Pueyo**, Instituto de Síntesis Química y Catálisis Homogénea (ISQCH), Spain

15:45 – 16:00 **INVESTIGATION OF CAAC STABILIZED NIOBIUM AND TANTALUM PENTAFLUORIDES**

Oral **Evelin Gruden**, Jožef Stefan Institute, Slovenia

16:00 – 16:15 **HOMOLEPTIC PLATINUM(IV)– $\text{CF}_3$  AND – $\text{OTf}_5$  COMPLEXES AS POTENTIAL PRECURSORS FOR PLATINUM SPECIES IN HIGHER OXIDATION STATES**

Oral **Niklas Limberg**, Freie Universität Berlin, Germany

Monday

## PARALLEL SESSION II – CONTAMINANTS OF EMERGING CONCERN & FLUOROUS TECHNOLOGY **SPONSORED BY LIFE4F-GASES**

**Room:** 3B

**Chair:** Mark Shiflett, Wonderful Institute for Sustainable Engineering, University of Kansas, USA

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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 14:30 – 15:00 | <b>DEVELOPMENT AND SCALE-UP OF THIN FILM POLYMER MEMBRANES FOR THE SEPARATION AND RECYCLING OF FLUORINATED REFRIGERANTS</b>                |
| IL            | <b>Gabriel Zarca</b> , Universidad de Cantabria, Spain                                                                                     |
| 15:00 – 15:15 | <b>CAPTURE AND SEPARATION OF FLUORINATED GASES WITH HIGH GLOBAL WARMING POTENTIAL</b>                                                      |
| Oral          | <b>Julio E. Sosa</b> , NOVA University Lisbon, Portugal                                                                                    |
| 15:15 – 15:30 | <b>AN INNOVATIVE HYBRID MEMBRANE-ADSORPTION (HAMSYS) TECHNOLOGY FOR THE SELECTIVE RECOVERY OF F-GASES FROM DEPLETED REFRIGERANT BLENDS</b> |
| Oral          | <b>Javier Pinedo Alonso</b> , Apria, Spain                                                                                                 |
| 15:30 – 15:45 | <b>LIFE-4-FGASES: DISSEMINATION AND COMMUNICATION ACTIVITIES</b>                                                                           |
| Oral          | <b>Rosa Monforte</b> , ERP, Portugal                                                                                                       |
| 15:45 – 16:00 | <b>AN INNOVATIVE TECHNOLOGY FOR THE SELECTIVE RECOVERY OF F-GASES FROM DEPLETED REFRIGERANT BLENDS</b>                                     |
| Oral          | <b>Vanessa Gouveia</b> , Ambigroup, Portugal                                                                                               |

## PARALLEL SESSION III – ORGANIC CHEMISTRY

**Room:** Auditorium II

**Chair:** David O'Hagan, University of St Andrews, UK

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17:00 – 17:20 | <b>EXPANDING SF<sub>5</sub> CHEMISTRY</b>                                                                                                                 |
| IL            | <b>Dominique Cahard</b> , CNRS, France                                                                                                                    |
| 17:20 – 17:40 | <b>COLLECTION OF QUALITY-EVALUATED PKA VALUES IN POLAR APROTIC SOLVENTS</b>                                                                               |
| IL            | <b>Ivo Leito</b> , University of Tartu, Estonia                                                                                                           |
| 17:40 – 17:55 | <b>LIQUID-CRYSTALLINE PROPERTIES INDUCED BY INCORPORATING FLUORINES INTO D-Π-A TOLANE CONTAINING DECYLENEOXY CHAINS TERMINATED WITH IMIDAZOLIUM SALTS</b> |
| Oral          | <b>Shigeyuki Yamada</b> , Kyoto Institute of Technology, Japan                                                                                            |
| 17:55 – 18:10 | <b>SIMPLE AND EFFICIENT APPROACH TO SULFONYL FLUORIDES</b>                                                                                                |
| Oral          | <b>Masaaki Omote</b> , Setsunan University, Japan                                                                                                         |

Monday

## PARALLEL SESSION III – MATERIALS & FLUOROUS TECHNOLOGY

**Room:** 3A

**Chair:** Jean-Marc Vincent, University of Bordeaux - CNRS, France

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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 17:00 – 17:20 | <b>KEY ASPECTS IN CORROSION OF SUPERALLOYS IN MOLTEN FLUORIDE SALTS</b>                                                                    |
| IL            | <b>Miroslav Boča</b> , Institute of Inorganic Chemistry, Slovak Academy of Sciences, Slovakia                                              |
| 17:20 – 17:40 | <b>LOW-ENERGY ELECTRON INTERACTIONS WITH F-GASES REFRIGERANTS</b>                                                                          |
| IL            | <b>Filipe Ferreira da Silva</b> , Universidade NOVA de Lisboa, Portugal                                                                    |
| 17:40 – 17:55 | <b>CONTROLLED SYNTHESIS AND PROPERTIES OF POLYVINYLIDENE FLUORIDE BASED METAL-FLUORIDE SURFACE TREATMENTS FOR HIGH-NICKEL NCM CATHODES</b> |
| Oral          | <b>Chunjoong Kim</b> , Chungnam National University, Korea                                                                                 |
| 17:55 – 18:10 | <b>NEW FLUORINATION METHODS OF MOLYBDENUM DISULFIDE (MOS<sub>2</sub>) FOR ENHANCED H<sub>2</sub> PRODUCTION PERFORMANCES</b>               |
| Oral          | <b>Pierre Bonnet</b> , Université Clermont Auvergne, France                                                                                |
| 18:10 – 18:25 | <b>FLUORINATED SOFT-MATTER – COMPARTMENTALIZED MICELLES, HEMIMICELLES, MESOPHASES, MICROEMULSIONS AND MORE</b>                             |
| Oral          | <b>Eduardo J. M. Filipe</b> , Universidade de Lisboa, Portugal                                                                             |

## PARALLEL SESSION III – CONTAMINANTS OF EMERGING CONCERN SPONSORED BY ALERT-PFAS

**Room:** 3B

**Chair:** Gabriel Zarca, Universidad de Cantabria, Spain

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| 17:00 – 17:20 | <b>FUNCTIONAL MATERIAL FOR PFAS REMOVAL</b>                                                               |
| IL            | <b>Mona Semsarilar</b> , CNRS-European Institute of Membranes (IEM), France                               |
| 17:20 – 17:40 | <b>HOW CAN PFAS BE PHOTOCHEMICALLY ELIMINATED FROM AQUATIC COMPARTMENTS?</b>                              |
| IL            | <b>Gilles Mailhot</b> , Institut de Chimie de Clermont-Ferrand, CNRS/Université Clermont Auvergne, France |
| 17:40 – 18:00 | <b>FLUORINATED METHANE DERIVATIVES HYDRATES: A MOLECULAR SIMULATION STUDY</b>                             |
| IL            | <b>Manuel M. Piñeiro</b> , Universidade de Vigo, Spain                                                    |
| 18:00 – 18:10 | <b>ALERT-PFAS SOLUTIONS - DIGITAL TOOL FOR MODELLING PFAS RISK IN NATURAL ENVIRONMENTS</b>                |
| Oral          | <b>Albert Serra Compte</b> , Cetaqua, Spain                                                               |
| 18:10 – 18:20 | <b>MONITORING OF PFAS HOTSPOTS AND SURFACE WATER TREATMENT SOLUTIONS IN NATURAL AREAS</b>                 |
| Oral          | <b>Joana C. Bastos</b> , NOVA University Lisbon, Portugal                                                 |
| 18:20 – 18:30 | <b>TRANSNATIONAL STRATEGY FOR THE DETECTION OF PFAS UNDER ALERT-PFAS PROJECT</b>                          |
| Oral          | <b>Catarina Novo</b> , Instituto de Telecomunicações, Portugal                                            |

Monday

**Tuesday, August 5<sup>th</sup>, 2025**

**PLENARY SESSION - VERONIQUE GOUVERNEUR**

**Room:** Auditorium II

**Chair:** Norio Shibata, Nagoya Institute of Technology, Japan

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09:00 – 10:00     **RETHINKING FLUORINE CHEMISTRY WITH GLOBAL CHALLENGES IN MIND**  
PL     **Veronique Gouverneur**, University of Oxford, UK

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**KEYNOTE SESSION - BEATE KOKSCH**

**Room:** Auditorium II

**Chair:** Veronique Gouverneur, University of Oxford, UK

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10:00 – 10:45     **FLUOROPEPTIDES AS BIODEGRADABLE BIOPOLYMERS**  
KN     **Beate Kokschi**, Freie University of Berlin, Germany

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**PUBLIC DISCUSSION ABOUT PFAS**

**Room:** Auditorium II

**Moderator:** Rita Santos, Journalist in Biosfera, Farol de Ideias, Portugal

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11:15 – 12:15     **ROUNDTABLE 1: POLICY RECOMMENDATIONS FOR CONTAMINANTS OF EMERGING CONCERN**  
**Rolf-Jan Hoeve**, DG ENVI, European Commission (TBC)  
**Veronique Gouverneur**, University of Oxford, UK  
**Luis Simas**, ERSAR, Portugal  
**Mark Shiflett**, University of Kansas, USA  
**Romain Gandre**, Veolia, France  
**Ronald Bock**, AGC, UK  
**Vanessa Gouveia**, Ambigroup, Portugal

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**Room:** Auditorium II

**Moderator:** Rita Santos, Journalist in Biosfera, Farol de Ideias, Portugal

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12:30 – 13:30     **ROUNDTABLE 2: SUSTAINABLE AND SAFE PFAS FOR HEALTH AND THE ENVIRONMENT**  
**Dexi Weng**, Dexyan Global, USA Comeall Technology, China/USA  
**Nebojša Ilić**, PFASuiki GmbH, Germany  
**Susana Fonseca**, ZERO, Portugal  
**Marie-Pierre Krafft**, University of Strasbourg, France  
**Lourdes F. Vega**, Khalifa University, UAE  
**Bruno Ameduri**, Institute Charles Gerhardt Montpellier, France  
**Beate Kokschi**, Freie University of Berlin, Germany

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Tuesday

# SESSIONS ON PFAS AND EUROPEAN PROJECT ACTIVITIES

Please check all the information here: [Sessions on PFAS and European Project Activities](#)

Register here: <https://forms.office.com/e/7p5cYjHEAG>

## FUNDING OPPORTUNITIES

**Room:** 3A

**Moderator:** Tamara Rodriguez, FEUGA, Spain

14:30 – 16:00

### EUROPEAN FUNDING OPPORTUNITIES

**Bernd Decker** – Head of Sector, CINEA, European Commission

**Vanda Pereira from APA (Portuguese Environment Agency)** – Responsible for the LIFE Programme in Portugal

**Ana Sutcliffe from ANI (National Innovation Agency)** – Responsible for the Horizon Europe calls in Portugal

**Raquel Rocha from AD&C (Agency for Development and Cohesion)** – Responsible for the Interreg calls in Portugal

16:00 – 17:30

### EUROPEAN RESEARCH NETWORKING FORUM

## OPEN FUN HALL

**Room:** Pavilion 3 Main Hall

14:30 – 18:30

### FUN HALL – INNOVATION, LEARNING AND FUN

**Reading and Discovery Area**

**Interactive Games**

**Environmental Trivia**

**European Project Poster Exhibition**

**Cinema Room**

**'Aquaville' Game – Protect your City!**

## Wednesday, August 6<sup>th</sup>, 2025

### PLENARY SESSION - DEXI WENG

**Room:** Auditorium II

**Chair:** Pierangelo Metrangolo, Politecnico di Milano, Italy

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| 09:00 – 10:00 | <b>CALCIUM FLUORIDE (FLUORSPAR) TO PERFLUOROORGANIC MATERIALS TO DATA OPTICALIZATION</b> |
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| PL | <b>Dexi Weng</b> , Dexyan Global, USA Comeall Technology, China/USA |
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### KEYNOTE SESSION - MATTHEW HOPKINSON

**Room:** Auditorium II

**Chair:** Petr Beier, Institute of Organic Chemistry and Biochemistry, Czech Republic

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| 10:00 – 10:45 | <b>NOVEL METHODS FOR INSTALLING EMERGING FLUORINATED MOTIFS</b> |
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| KN | <b>Matthew N. Hopkinson</b> , Newcastle University, UK |
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### PARALLEL SESSION IV – ORGANIC CHEMISTRY

**Room:** Auditorium II

**Chair:** Mark Crimmin, Imperial College London, UK

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| 11:15 – 11:35 | <b>EXPANDING THE TOOLBOX OF FLUORINATED MOTIFS: SELECTIVE STRATEGIES FOR FLUOROALKYLATION AND PFAS ALTERNATIVES</b> |
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| IL | <b>Frédéric R. Leroux</b> , University of Strasbourg, France |
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| 11:35 – 11:55 | <b>A CONVENIENT OXIDATIVE FLUORINATION PROCEDURE TO FORM HYPERVALENT IODINE(V) FLUORIDES</b> |
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| IL | <b>Alison M. Stuart</b> , University of Leicester, UK |
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| 11:55 – 12:15 | <b>TRANSITION METAL-CATALYZED DEFLUORINATIVE FUNCTIONALIZATION OF FLUORINATED AND PERFLUOROALKYLATED ALKENES</b> |
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| IL | <b>Gavin Chit Tsui</b> , The Chinese University of Hong Kong, China |
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| 12:15 – 12:30 | <b>CAPITALIZING ON OXIME REARRANGEMENT CHEMISTRY FOR THE SYNTHESIS OF UNIQUE FLUORINE-CONTAINING MOTIFS</b> |
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| Oral | <b>Patrick R. Melvin</b> , Bryn Mawr College, USA |
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| 12:30 – 12:45 | <b>ORGANIC MOLECULE AGGREGATION AND C-H BOND CLEAVAGE IN POLAR FLUORINATED ARENES</b> |
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| Oral | <b>Tianfei Liu</b> , Nankai University, China |
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| 12:45 – 13:00 | <b>EXPLORATION OF NOVEL N-DIFLUOROMETHYL MOTIFS</b> |
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| Oral | <b>Gina Wycich</b> , RWTH Aachen University, Germany |
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| 13:00 – 13:15 | <b>SYNTHESIS OF N-TRIFLUOROETHYL AND N-DIFLUOROETHYL AZAPEPTIDES AND AZAPEPTOIDS</b> |
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| Oral | <b>Dimitra Kyrko</b> , Université Paris Saclay, France |
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| 13:15 – 13:30 | <b>THE ELECTROSTATIC NATURE OF HYDROGEN BONDING INTERACTIONS BETWEEN RCH<sub>2</sub>F AND RCHF<sub>2</sub> MOTIFS</b> |
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| Oral | <b>Bruno A. Piscelli</b> , University of Campinas, Brazil |
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Wednesday

## PARALLEL SESSION IV – FLUOROUS TECHNOLOGY & MATERIALS

**Room: 3A**

**Chair:** Kazuhiko Matsumoto, Kyoto University, Japan

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 11:15 – 11:35 | <b>EXPLORING THE FLAMMABILITY LIMITS OF FLUORINATED REFRIGERANT MIXTURES USING ARTIFICIAL NEURAL NETWORKS AND MOLECULAR DESCRIPTORS</b> |
| IL            | <b>Fèlix Llovel</b> , Universitat Rovira i Virgili, Spain                                                                               |
| 11:35 – 11:55 | <b>Ag(II)-BASED MAGNETIC PRECURSORS OF NOVEL SUPERCONDUCTORS</b>                                                                        |
| IL            | <b>Wojciech Grochala</b> , University Warsaw, Poland                                                                                    |
| 11:55 – 12:15 | <b>INTERFACIAL MOLECULAR ENGINEERING FOR FUNCTIONAL MATERIALS: NEW DESIGN PRINCIPLE FOR MATERIALS WITH PERMEABLE PROPERTIES</b>         |
| IL            | <b>Yoshimitsu Itoh</b> , The University of Tokyo, Japan                                                                                 |
| 12:15 – 12:35 | <b>EXPLORING SUPRAMOLECULAR CHEMISTRY AND PHOTOREDOX CATALYSIS WITH PFASS AND IN PFASS</b>                                              |
| IL            | <b>Jean-Marc Vincent</b> , University of Bordeaux, France                                                                               |
| 12:35 – 12:50 | <b>PERFLUOROPOLYETHER-FUNCTIONALIZED CARBON-BASED MATERIALS AND THEIR APPLICATIONS IN ENERGY DEVICES</b>                                |
| Oral          | <b>Maurizio Sansotera</b> , Politecnico di Milano, Italy                                                                                |
| 12:50 – 13:05 | <b>LEVERAGING MOLECULAR THERMODYNAMICS AND MACHINE LEARNING FOR THE RATIONAL DESIGN OF ALTERNATIVE REFRIGERANT BLENDS</b>               |
| Oral          | <b>Ismail I. I. Alkhatib</b> , Khalifa University, United Arab Emirates                                                                 |
| 13:05 – 13:20 | <b>COMPUTATIONAL MODELLING OF THE GLOBAL WARMING POTENTIAL CLIMATE METRIC ACROSS FLUORINATED MOLECULES</b>                              |
| Oral          | <b>Luís P. Viegas</b> , Universidade de Coimbra, Portugal                                                                               |
| 13:20 – 13:35 | <b>CHIRAL FLUOROALKYLIMINES IN ASYMMETRIC SYNTHESIS: ADVANCES AND APPLICATIONS</b>                                                      |
| Oral          | <b>Yuliya Rassukana</b> , National Academy of Sciences of Ukraine, Ukraine                                                              |

## PARALLEL SESSION IV – CONTAMINANTS OF EMERGING CONCERN

**Room: 3B**

**Chair:** Valentina Dichiarante, Politecnico di Milano, Italy

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|---------------|------------------------------------------------------------------------------------------------------------------------------------|
| 11:15 – 11:35 | <b>WHAT DO WE KNOW ABOUT PER- OR POLYFLUOROALKYL SUBSTANCES (PFASS)? ISSUES, CHALLENGES, REGULATIONS AND POSSIBLE ALTERNATIVES</b> |
| IL            | <b>Bruno Ameduri</b> , Institut Charles Gerhardt, France                                                                           |
| 11:35 – 11:55 | <b>FIREFIGHTERS' OCCUPATIONAL EXPOSURE TO PER- AND POLYFLUOROALKYL SUBSTANCES</b>                                                  |
| IL            | <b>Marta Oliveira</b> , Instituto Superior de Engenharia do Porto, Portugal                                                        |
| 11:55 – 12:15 | <b>BREAKING THE CHAINS OF PFAS WITH ELECTROCHEMICAL OXIDATION – THE SUIKI BOTTOM-UP APPROACH</b>                                   |
| IL            | <b>Nebojša Ilić</b> , PFASuiki GmbH, Germany                                                                                       |
| 12:15 – 12:30 | <b>PFAS DEGRADATION DURING HAZARDOUS WASTE INCINERATION: A PILOT-SCALE STUDY WITH COMPREHENSIVE ANALYTICAL APPROACH</b>            |
| Oral          | <b>Muckensturm Gaël</b> , Veolia Research and Innovation, France                                                                   |



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|---------------|--------------------------------------------------------------------------------------------------------|
| 12:30 – 12:45 | <b>PFAS REMOVAL FROM LANDFILL LEACHATES WITH AN ELECTROCHEMICALLY ASSISTED NANOFILTRATION MEMBRANE</b> |
| Oral          | <b>Ane Urtiaga</b> , University of Cantabria, Spain                                                    |
| 12:45 – 13:00 | <b>COMPARISON OF PFAS CONTAMINATION BETWEEN TWO EUROPEAN AND ASIAN RIVERS</b>                          |
| Oral          | <b>Khanh Vu</b> , Aix-Marseille University, France                                                     |
| 13:00 – 13:15 | <b>PFAS AND WATER RESOURCES: HOW TO DETERMINE THE BEST TREATMENT SOLUTION?</b>                         |
| Oral          | <b>Romain Gandré</b> , Veolia, France                                                                  |
| 13:15 – 13:30 | <b>REMOVAL OF PFAS FROM WATER BY ADSORPTION: RECENT PROGRESS AND FUTURE PERSPECTIVES</b>               |
| Oral          | <b>Daniel Dianchen Gang</b> , University of Louisiana at Lafayette, USA                                |

## PARALLEL SESSION V – ORGANIC & ORGANOMETALLIC CHEMISTRY

**Room:** Auditorium II

**Chair:** Jason Dutton, La Trobe University, Australia

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| 14:30 – 14:50 | <b>SELECTIVE FLUORINATED DEELECTRONATORS AND ORGANOMETALLIC METAL-DIMERS: A REACTIVE COUPLE TO ACCESS UNKNOWN CATIONS...</b>                                                      |
| IL            | <b>Ingo Krossing</b> , University of Freiburg, Germany                                                                                                                            |
| 14:50 – 15:10 | <b>DEHYDROFLUORINATION OF LEGACY REFRIGERANTS AT GROUP 9 METAL Pincer COMPLEXES</b>                                                                                               |
| IL            | <b>David A. Vicic</b> , Lehigh University, USA                                                                                                                                    |
| 15:10 – 15:30 | <b>SYNTHETIC REACTIONS OF ISOLATED TRIFLUOROMETHYL ISOBENZOFURANS</b>                                                                                                             |
| IL            | <b>Hideki Amii</b> , Gunma University, Japan                                                                                                                                      |
| 15:30 – 15:45 | <b>REVERSED ELECTROSTATIC DESIGN FOR SELECTIVE RECOGNITION OF BTX VIA <math>\pi</math>-HOLE<math>\cdots\pi</math> INTERACTIONS BY A TETRAOXA[2]PERFLUOROARENE[2]TRIAZINE HOST</b> |
| Oral          | <b>Akiko Hori</b> , Shibaura Institute of Technology, Japan                                                                                                                       |
| 15:45 – 16:00 | <b>[(TRIISOPROPYLSILYL)ACETYLENE]SULFUR PENTAFLUORIDE – A VALUABLE REAGENT FOR ACCESSING UNPRECEDENTED CLASSES OF SF<sub>5</sub>-CONTAINING BUILDING BLOCKS</b>                   |
| Oral          | <b>David Rombach</b> , University of Zurich, Switzerland                                                                                                                          |
| 16:00 – 16:15 | <b>UNUSUAL ROLE OF HEXAFLUOROISOPROPANOL IN REDOX-ACTIVATED CYCLOADDITIONS</b>                                                                                                    |
| Oral          | <b>Michał J. Jadwiszczak</b> , University of Warsaw, Poland                                                                                                                       |
| 16:15 – 16:30 | <b>NEW ACCESS ROUTES TOWARD THIOCARBAMOYL FLUORIDES AND TRIFLUOROMETHANESULFENAMIDES USING AN EASY-TO-USE AND SHELF-STABLE CF<sub>3</sub>S-REAGENT</b>                            |
| Oral          | <b>Clément Delobel</b> , Institute of chemistry and biochemistry (ICBMS), France                                                                                                  |
| 16:30 – 16:45 | <b>A NEW SULFOXIMINE SCAFFOLD FOR THE GENERATION OF DIVERSE FLUORINATED RADICALS IN PHOTOREDOX CATALYSIS</b>                                                                      |
| Oral          | <b>Gabriel Goujon</b> , Institut Lavoisier de Versailles - UVSQ, France                                                                                                           |
| 16:45 – 17:00 | <b>STEREOSELECTIVE SYNTHESIS OF (2S,4S)-5,5,5,5',5'-PENTAFLUOROLEUCINE AND (2S,4R)-5,5,5-TRIFLUOROLEUCINE</b>                                                                     |
| Oral          | <b>Sandeep Mummadi</b> , European Institute of Chemistry and Biology (IECB), France                                                                                               |

Wednesday



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| 17:00 – 17:15 | <b>ENANTIOSELECTIVE CONSTRUCTION OF A FLUORINATED TERTIARY CARBON USING PRIMARY AMINE CATALYSTS</b> |
| Oral          | <b>Satoru Arimitsu</b> , University of the Ryukyus, Japan                                           |

## PARALLEL SESSION V – ORGANIC CHEMISTRY

**Room: 3A**

**Chair:** Thierry Billard, CNRS - University of Lyon, France

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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 14:30 – 14:50 | <b>UPGRADING THE HALOGEN BOND DONOR ABILITY OF ORGANIC FLUOROARENES</b>                                                                    |
| IL            | <b>Giuseppe Resnati</b> , Politecnico di Milano, Italy                                                                                     |
| 14:50 – 15:10 | <b>CATALYST FREE O-ARYLATION REACTIONS OF FLUOROBENZENES</b>                                                                               |
| IL            | <b>Frederik Diness</b> , Roskilde University, Denmark                                                                                      |
| 15:10 – 15:25 | <b>ACTIVATION OF AROMATIC CARBON–FLUORINE BONDS: COUPLING REACTION OF FLUOROBENZOFURANS</b>                                                |
| Oral          | <b>Junji Ichikawa</b> , Sagami Chemical Research Institute, Japan                                                                          |
| 15:25 – 15:40 | <b>POLYFLUOROALKOXYLATION OF DIARYLIODONIUM SALTS VIA ELIMINATIVE LIGAND COUPLING USING POLYFLUOROALKOXY BORATE SALTS</b>                  |
| Oral          | <b>Kotaro Kikushima</b> , Ritsumeikan University, Japan                                                                                    |
| 15:40 – 15:55 | <b>SELECTIVE C(SP<sup>3</sup>)–F BOND FUNCTIONALIZATION OF TRIFLUOROMETHYL ARENES UTILIZING EDA COMPLEX</b>                                |
| Oral          | <b>Takahiko Akiyama</b> , Gakushuin University, Japan                                                                                      |
| 15:55 – 16:10 | <b>FUNCTIONAL GROUP TRANSFORMATION AT C5 POSITION OF FLUORINATED ISOXAZOLINES VIA C-F BOND CLEAVAGE</b>                                    |
| Oral          | <b>Kazuyuki Sato</b> , Setsunan University, Japan                                                                                          |
| 16:10 – 16:25 | <b>PHOTOACID-INDUCED ADDITION OF KETENE Silyl ACETALS TO FLUORINATED LSOCOUMARINS AND DEFLUORINATIVE RING REARRANGEMENT OF THE ADDUCTS</b> |
| Oral          | <b>Hikaru Yanai</b> , Tokyo University of Pharmacy and Life Sciences, Japan                                                                |

Wednesday

## PARALLEL SESSION V – INORGANIC CHEMISTRY, COMPUTATIONAL CHEMISTRY & BIOORGANIC & MEDICINAL CHEMISTRY

**Room:** 3B

**Chair:** Rodrigo Cormanich, Universidade Estadual de Campinas, Brazil

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|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:30 – 14:50 | <b>BIS(TRIFLUOROMETHYL)AMINES – SYNTHESIS &amp; PROPERTIES</b>                                                                                                      |
| IL            | <b>Maik Finze</b> , University of Wurzburg, Germany                                                                                                                 |
| 14:50 – 15:10 | <b>WHY FINDING THE PERFECT SUSTAINABLE REFRIGERANT IS HARDER THAN YOU THINK</b>                                                                                     |
| IL            | <b>Lourdes F. Vega</b> , Khalifa University of Science and Technology, United Arab Emirates                                                                         |
| 15:10 – 15:25 | <b>THE FLUORINASE – PAST, PRESENT AND FUTURE</b>                                                                                                                    |
| Oral          | <b>Phillip T. Lowe</b> , University of St Andrews, UK                                                                                                               |
| 15:25 – 15:40 | <b>NEW AVENUES IN ORGANOXENON CHEMISTRY</b>                                                                                                                         |
| Oral          | <b>Alberto Pérez-Bitrián</b> , Humboldt-Universität zu Berlin, Germany                                                                                              |
| 15:40 – 15:55 | <b>PENTAFLUOROPHOSPHATES AS BIOMIMETICS OF PHOSHOPEPTIDES AND PHOSPHOPROTEINS</b>                                                                                   |
| Oral          | <b>Anna Magdalena Ambros</b> , Freie Universität Berlin, Germany                                                                                                    |
| 15:55 – 16:10 | <b>SYNTHESIS AND REACTIVITY OF FLUORINATED ALKYL HALONIUM IONS</b>                                                                                                  |
| Oral          | <b>Lukas Fischer</b> , Freie Universität Berlin, Germany                                                                                                            |
| 16:10 – 16:25 | <b>PHOSPHONATE ANALOGUES OF FLUOROPHENYLGLYCINES AS POTENTIAL INHIBITORS OF HUMAN UROKINASE PLASMINOGEN ACTIVATOR: SYNTHESIS, STRUCTURE AND ANTICANCER ACTIVITY</b> |
| Oral          | <b>Donata Pluskota-Karwatka</b> , Adam Mickiewicz University in Poznań, Poland                                                                                      |
| 16:25 – 16:40 | <b>FLUORINATION OF ROTAXANES FOR SENSITIVE 19F MR-FLUORESCENCE DUAL IMAGING</b>                                                                                     |
| Oral          | <b>Zhong Xing Jiang</b> , Chinese Academy of Sciences, China                                                                                                        |
| 16:40 – 16:55 | <b>PHOSPHONIUM SF<sub>5</sub><sup>-</sup> SALTS DERIVED FROM SF<sub>6</sub> AS OXIDATIVE FLUORINATION AND DEOXYFLUORINATION AGENTS</b>                              |
| Oral          | <b>Kim Schramke</b> , Department of General, Inorganic and Theoretical Chemistry, Austria                                                                           |

Wednesday

Wednesday



Thursday, August 7<sup>th</sup>, 2025

**PLENARY SESSION - FENG-LING QING**

**Room:** Auditorium II

**Chair:** Matthew Hopkinson, Newcastle University, UK

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| 09:00 – 10:00 | <b>SYNTHESIS AND APPLICATION OF PENTAFLUOROSULFANYL (SF<sub>5</sub>)-CONTAINING REAGENTS</b> |
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| PL | <b>Feng-Ling Qing</b> , Shanghai Institute of Organic Chemistry, China |
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**KEYNOTE SESSION - BERTHOLD HOGE**

**Room:** Auditorium II

**Chair:** Joseph Thrasher, Clemson University, USA

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 – 10:45 | <b>PERFLUOROORGANYL GALLIUM AND INDIUM CHEMISTRY: THE FIRST MAIN GROUP ELEMENT LEWIS ACID THIONYL CHLORIDE ADDUCT AND ITS CHEMISTRY</b> |
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| KN | <b>Berthold Hoge</b> , Bielefeld University, Germany |
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**PARALLEL SESSION VI – ORGANIC & ORGANOMETALLIC CHEMISTRY**

**Room:** Auditorium II

**Chair:** David Vivic, Lehigh University, USA

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|---------------|----------------------------------------------------------------------------------------------|
| 11:15 – 11:35 | <b>RHODIUM-MEDIATED C-H AND C-F BOND ACTIVATION TO ACCESS FLUORINATED ALKENE DERIVATIVES</b> |
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| IL | <b>Thomas Braun</b> , Humboldt University Berlin, Germany |
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| 11:35 – 11:55 | <b>MECHANISTIC INSIGHT ON COPPER-MEDIATED TRIFLUOROMETHYLATION</b> |
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| IL | <b>Qilong Shen</b> , Shanghai Institute of Organic Chemistry, China |
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| 11:55 – 12:15 | <b>ORGANOFLUORINE TRANSITION METAL CHEMISTRY MEETS CARBENE CHEMISTRY</b> |
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| IL | <b>Miguel Baya</b> , Universidad de Zaragoza, Spain |
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| 12:15 – 12:30 | <b>ORGANOMETALLIC CHEMISTRY OF THE PERFLUORINATED CP* LIGAND [C<sub>5</sub>(CF<sub>3</sub>)<sub>5</sub>]<sup>-</sup></b> |
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| Oral | <b>Moritz Malischewski</b> , Freie Universität Berlin, Germany |
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| 12:30 – 12:45 | <b>MIGRATORY ALLYLIC C-F BOND FUNCTIONALIZATION</b> |
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| Oral | <b>Jean-Denys Hamel</b> , University of Lethbridge, Canada |
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| 12:45 – 13:00 | <b>SYNTHETIC APPROACH TO CF<sub>3</sub>-ALKENYL DERIVATIVES OF AMINO ACIDS</b> |
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| Oral | <b>Katarzyna Koroniak-Szejn</b> , Adam Mickiewicz University, Poland |
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Thursday

## PARALLEL SESSION VI – CONTAMINANTS OF EMERGING CONCERN & MATERIALS & ORGANIC CHEMISTRY

**Room:** 3A

**Chair:** Cormac Murphy, University College Dublin, Ireland

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|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:15 – 11:35 | <b>SUPRAMOLECULAR ARCHITECTURES AND HYDROGELS BASED ON FLUORINATED AMINO ACIDS</b>                                                             |
| IL            | <b>Valentina Dichiarante</b> , Politecnico di Milano, Italy                                                                                    |
| 11:35 – 11:50 | <b>COMPLETE MINERALIZATION OF LITHIUM BIS(PENTAFLUOROETHANE-SULFONYL)IMIDE AND RELATED ELECTROLYTE FLUOROchemicals USING SUPERHEATED WATER</b> |
| Oral          | <b>Hisao Hori</b> , Kanagawa University, Japan                                                                                                 |
| 11:50 – 12:05 | <b>OCCURRENCE, DISTRIBUTION AND FATE OF FLUORINE DURING PHOSPHATE ORE PROCESSING</b>                                                           |
| Oral          | <b>Kamal Benali</b> , Fluoralpha, Morocco                                                                                                      |
| 12:05 – 12:20 | <b>ORGANOCATALYZED SYNTHESIS AND DEPOLYMERIZATION OF FLUORINATED POLYSILOXANES, A ROUTE TO THEIR CHEMICAL RECYCLING</b>                        |
| Oral          | <b>Vincent Ladmiral</b> , National Centre for Scientific Research (CNRS), France                                                               |
| 12:20 – 12:35 | <b>INNOVATIVE BIFUNCTIONAL SILOXANE AND THEIR POTENTIAL APPLICATION</b>                                                                        |
| Oral          | <b>Joanna Karasiewicz</b> , Adam Mickiewicz University Poznan, Poland                                                                          |
| 12:35 – 12:50 | <b>IMPACTING HIGH PRESSURE STRUCTURAL TRANSITION OF ALKALI METAL HEXAFLUORIDES</b>                                                             |
| Oral          | <b>Kevin Lemoine</b> , Université Clermont Auvergne, France                                                                                    |
| 12:50 – 13:05 | <b>SYNTHESIS OF <math>\alpha</math>-FLUOROALKYLATED PYRIDINES AND PYRIMIDINES VIA DIRECT FLUORINATION WITH NFSI</b>                            |
| Oral          | <b>Petro Onys'ko</b> , National Academy of Sciences of Ukraine, Ukraine                                                                        |
| 13:05 – 13:20 | <b>AMINE-FUNCTIONALIZED FLUOROARENES FOR ENERGY AND ENVIRONMENTAL APPLICATIONS</b>                                                             |
| Oral          | <b>Anastasios Stergiou</b> , Politecnico di Milano, Italy                                                                                      |
| 13:20 – 13:35 | <b>MANAGED AQUIFER RECHARGE: A NEW FRONTIER FOR ADDRESSING EMERGING CONTAMINANTS</b>                                                           |
| Oral          | <b>Srdana Kolakovic</b> , NOVA University Lisbon, Portugal                                                                                     |

## PARALLEL SESSION VI – ORGANIC CHEMISTRY

**Room:** 3B

**Chair:** Gavin Chit Tsui, The Chinese University of Hong Kong, China

|               |                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------|
| 11:15 – 11:35 | <b>CHEMICAL RECYCLING OF FLUOROCARBONS BY TRANSFER FLUORINATION</b>                                         |
| IL            | <b>Mark R. Crimmin</b> , Imperial College London, UK                                                        |
| 11:35 – 11:55 | <b>THE ROLE OF ELECTROSTATIC NON-CONVENTIONAL HYDROGEN BONDING INTERACTIONS IN ORGANOFLUORINE COMPOUNDS</b> |
| IL            | <b>Rodrigo A. Cormanich</b> , Universidade Estadual de Campinas, Brazil                                     |

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| 11:55 – 12:15 | <b>RECENT ADVANCES IN THE SYNTHESIS OF PENTAFLUOROSULFANYLATED MOLECULES</b>                                                      |
| IL            | <b>Jean-François Paquin</b> , Université Laval, Canada                                                                            |
| 12:15 – 12:35 | <b>EXPERIMENTAL AND THEORETICAL STUDY OF DIFLUOROBENZIMIDAZOLES</b>                                                               |
| IL            | <b>Jaroslav Kvíčala</b> , University of Chemistry and Technology, Czechia                                                         |
| 12:35 – 12:50 | <b>SHELF-STABLE REAGENT FOR RADICAL PENTAFLUOROSULFANYLATION</b>                                                                  |
| Oral          | <b>Yi Yang</b> , Université Claude Bernard Lyon1, France                                                                          |
| 12:50 – 13:05 | <b>TETRAFLUOROPYRIDYL GROUPS; APPLICATIONS IN MOLECULAR FUNCTIONALISATION</b>                                                     |
| Oral          | <b>William D. G. Brittain</b> , Durham University, UK                                                                             |
| 13:05 – 13:20 | <b>THIONYL FLUORIDE AS A SULFUR(IV) <math>S_0FE_x</math> HUB FOR THE EFFICIENT SYNTHESIS OF SULFINAMIDES AND SULFINATE ESTERS</b> |
| Oral          | <b>William P. Chappell</b> , The University of British Columbia, Canada                                                           |

## PARALLEL SESSION VII – INORGANIC CHEMISTRY

**Room:** Auditorium II

**Chair:** Miroslav Boča, Institute of Inorganic Chemistry, Slovak Academy of Sciences, Slovakia

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|---------------|-------------------------------------------------------------------------------------------------------------------------------|
| 14:30 – 14:50 | <b>EXPLORING XENON DIFLUORIDE COORDINATION COMPOUNDS: FROM INITIAL DISCOVERIES TO NOVEL <math>SO_3F^-</math> ANION</b>        |
| IL            | <b>Gašper Tavčar</b> , Jožef Stefan Institute, Slovenia                                                                       |
| 14:50 – 15:10 | <b>MANIPULATING <math>F\cdots F</math> INTERACTIONS FOR METAL EXTRACTIONS</b>                                                 |
| IL            | <b>Robert J. Baker</b> , University of Dublin, Trinity College, Ireland                                                       |
| 15:10 – 15:25 | <b>FLUORINATION BY SOLID-GAS REACTION OF HIGH-PERFORMANCE COMPOUNDS FOR RECHARGEABLE BATTERIES</b>                            |
| Oral          | <b>Saida Moumen</b> , Clermont-Auvergne University, France                                                                    |
| 15:25 – 15:40 | <b>SIMPLE ACCESS TO A SERIES OF HIGHER SUBSTITUTED PENTAFLUOROORTHOTELLURATE-BASED SILANES AND GERMANES</b>                   |
| Oral          | <b>Friederike Oesten</b> , Freie Universität Berlin, Germany                                                                  |
| 15:40 – 15:55 | <b>SYNTHESIS AND REACTIVITY OF ZINC-FLUORIDE COORDINATION COMPLEXES</b>                                                       |
| Oral          | <b>Aaranjah Vickneswaran</b> , Imperial College London, UK                                                                    |
| 15:55 – 16:10 | <b>THE TRIFLUOROXYGENATE ANION <math>[OF_3]^-</math>: SPECTROSCOPIC EVIDENCE FOR A BINARY, HYPERVALENT OXYGEN SPECIES</b>     |
| Oral          | <b>Deniz F. Meyer</b> , Freie Universität Berlin, Germany                                                                     |
| 16:10 – 16:25 | <b>ELECTROCHEMICAL FLUORINATION – A VERSATILE TOOL FOR THE LARGE SCALE SYNTHESIS OF PARTIALLY FLUORINATED BUILDING BLOCKS</b> |
| Oral          | <b>Tanja Knuplez</b> , University of Würzburg, Germany                                                                        |
| 16:25 – 16:40 | <b>NITROSYL FLUORIDE (FNO) AND NITRYL FLUORIDE (FNO<sub>2</sub>) AS FLUORINATING AGENTS FOR INORGANIC MATERIALS</b>           |
| Oral          | <b>Batiste Clavier</b> , Université Clermont Auvergne, France                                                                 |

Thursday

## PARALLEL SESSION VII – ORGANIC CHEMISTRY

**Room:** 3A

**Chair:** Frédéric Leroux, University of Strasbourg - CNRS, France

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:30 – 14:50 | <b>AMINOPHOSPHONATES BEARING FLUORINE ATOMS AS INHIBITORS OF AMINOPEPTIDASES – SYNTHESIS AND PROPERTIES</b>                                         |
| IL            | <b>Henryk Koroniak</b> , Adam Mickiewicz University, Poznań, Poland                                                                                 |
| 14:50 – 15:10 | <b>NOVEL APPROACHES IN ASYMMETRIC CATALYTIC SYNTHESIS OF HALO-ORGANIC COMPOUNDS</b>                                                                 |
| IL            | <b>Mark Gandelman</b> , Technion - Israel Institute of Technology, Israel                                                                           |
| 15:10 – 15:30 | <b>THE VALUE OF FLUORINE IN AGRICULTURAL CHEMISTRY</b>                                                                                              |
| IL            | <b>Michael Rack</b> , BASF SE, Germany                                                                                                              |
| 15:30 – 15:45 | <b>EFFECT OF AMINE DEPROTONATION ON <math>SuFEx</math>: SYNTHESIS OF SULFONAMIDES</b>                                                               |
| Oral          | <b>Jan Dudziński</b> , University of Warsaw, Poland                                                                                                 |
| 15:45 – 16:00 | <b>AN UNUSUAL REACTION OF FLUORINE SUBSTITUTION IN PENTAFLUOROiodo- AND PENTAFLUOROBROMOBENZENES BY AMINO SPECIES RUNNING AT AMBIENT CONDITIONS</b> |
| Oral          | <b>Evgeny Goreshnik</b> , Jožef Stefan Institute, Slovenia                                                                                          |
| 16:00 – 16:15 | <b>CROSS-COUPPLING REACTIONS USING MULTIHALOGENATED ALKENES SYNTHESIZED FROM HALOTHANE</b>                                                          |
| Oral          | <b>Yukiko Karuo</b> , Setsunan University, Japan                                                                                                    |
| 16:15 – 16:30 | <b>DEFLUORINATIVE SYNTHESIS OF MONOFLUOROALKENES VIA PHOTOREDOX C–C COUPLING OF <math>\alpha</math>-AMINOALKYL RADICALS AND ALLYLIC DIFLUORIDES</b> |
| Oral          | <b>Taylor Semeniuk</b> , University of Lethbridge, Canada                                                                                           |

## PARALLEL SESSION VII – ORGANIC CHEMISTRY

**Room:** 3B

**Chair:** Frederik Diness, Roskilde University, Denmark

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|---------------|------------------------------------------------------------------------------------------------------------------------------|
| 14:30 – 14:50 | <b>PERFLUORO-TERT-BUTY ANION: PREPARATION, STRUCTURE, AND REACTIVITY</b>                                                     |
| IL            | <b>Jinbo Hu</b> , Chinese Academy of Sciences, China                                                                         |
| 14:50 – 15:10 | <b>ON THE IMPORTANCE OF MICHAELIS–MENTEN KINETICS</b>                                                                        |
| IL            | <b>Rimantas Knizikevičius</b> , Kaunas University of Technology, Lithuania                                                   |
| 15:10 – 15:30 | <b>FROM TRIFLUOROMETHOXYLATION TO DIFLUOROPHOSGENE CHEMISTRY: A JOURNEY WITH 2,4-DINITRO-TRIFLUOROMETHOXYBENZENE (DNTFB)</b> |
| IL            | <b>Thierry Billard</b> , University of Lyon, France                                                                          |
| 15:30 – 15:45 | <b>LEWIS ACID-CATALYZED CARBOFLUORINATION VIA FLUORIDE RECYCLING</b>                                                         |
| Oral          | <b>Christine M. Le</b> , York University, Canada                                                                             |
| 15:45 – 16:00 | <b>REACTIONS OF HEXAFLUOROTHIOACETONE DIMER (HFTAD) WITH TERPENES</b>                                                        |
| Oral          | <b>Viacheslav Petrov</b> , Fluorinova LLC, USA                                                                               |

Thursday

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16:00 – 16:15    **HF SHUTTling FOR THE CHEMICAL RECYCLING OF FLUOROCARBONS**

Oral    **Shannon E. S. Farley**, Imperial College London, UK

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## FLASH PRESENTATIONS

**Room:** Auditorium II

**Chair:** Maik Finze, University of Wurzburg, Germany

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17:00 – 17:05    **ACTIVATION OF PERFLUORO(METHYL VINYL ETHER) AT Rh(I) PHOSPHINE COMPLEXES: METAL-CENTERED VERSUS PHOSPHINE MEDIATED DECARBONYLATION**

FP    **Soodeh Mollasalehi**, Humboldt-Universität zu Berlin, Germany

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17:05 – 17:10    **C–F BOND ACTIVATION OF FLUOROALKANES VIA GERMILIUM IONS CATALYSIS**

FP    **Julie Borel**, Humboldt-Universität zu Berlin, Germany

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17:10 – 17:15    **RESPIROMETRIC ANALYSIS FOR MONITORING THE MICROBIAL ACTIVITY DURING EXPOSURE TO PERFLUOROBUTANESULFONIC AND PERFLUOROHXANESULFONIC ACID**

FP    **Natalija Petronijevic**, University of Belgrade, Serbia

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17:15 – 17:20    **NOVEL HEXAFLUOROSULFUR ACTIVATION UTILIZING AN ORGANIC PHOTOREDOX CATALYST**

FP    **Max Flügge**, Karlsruhe Institute of Technology, Germany

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17:20 – 17:25    **INVESTIGATING THE SITE-SPECIFIC IMPACT OF FLUORINE SUBSTITUTION ON AROMATIC INTERACTIONS IN A TRYPTOPHAN ZIPPER PEPTIDE**

FP    **David Reiter**, Freie Universität Berlin, Germany

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17:25 – 17:30    **DEVELOPMENT AND CHARACTERIZATION OF INNOVATIVE MATERIALS FOR PHOTOCATALYTIC DEGRADATION OF PERFLUOROOCTANOIC ACID**

FP    **Kristina Kasalica**, University of Belgrade, Serbia

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17:30 – 17:35    **SEARCH FOR NOVEL SUPERCONDUCTORS IN A CHEMICAL CAPACITOR SETUP**

FP    **Dawid Ciszewski**, University of Warsaw, Poland

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17:35 – 17:40    **APPLICATION OF CF<sub>3</sub>-NITRILE IMINES IN THE SYNTHESIS OF UNSYMMETRICAL N',N'-TRIFLUOROACETOHYDRAZIDES**

FP    **Adrian Warcholiński**, University of Lodz, Poland

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17:40 – 17:45    **DESULFURATIVE FLUORINATION OF ALKYL PHENYL SULFIDES**

FP    **Brian Durkan**, Royal College of Surgeons, Ireland

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17:45 – 17:50    **EXPANDING THE CHEMICAL SPACE OF PENTAFLUOROSULFANYL-CONTAINING COMPOUNDS**

FP    **Lujie Xu**, University of Zurich, Switzerland

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17:50 – 17:55    **SEMI-CATALYTIC TRIFLUOROMETHYLATION USING TETRAKIS(TRIFLUOROMETHYL)COPPER**

FP    **Petr Pospíšil**, Czech Academy of Sciences, Czechia

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17:55 – 18:00    **INVESTIGATION OF DICATIONIC IONIC LIQUIDS WITH DIFLUOROPHOSPHATE ANION**

FP    **Kentaro Kamada**, Kyoto University, Japan

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Thursday

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|---------------|---------------------------------------------------------------------------------------------------------------|
| 18:00 – 18:05 | <b>FROM TRIFLUOROMETHYL TO PENTAFLUOROETHYL: NEW APPROACHES IN GOLD(III) COMPLEXES STABILIZATION</b>          |
| FP            | <b>Alba de Toro</b> , Universidad de Zaragoza CSIC, Spain                                                     |
| 18:05 – 18:10 | <b>THE BIOINORGANIC IMPACT OF FLUORINE STUDIED BY VIBRATIONAL SPECTROSCOPY</b>                                |
| FP            | <b>Soumyamoy Pathak</b> , Freie University Berlin, Germany                                                    |
| 18:10 – 18:15 | <b>FUNCTIONALIZATION OF NANODIAMONDS WITH PERFLUOROPOLYETHER PEROXIDE VIA A FACILE THERMOCHEMICAL PROCESS</b> |
| FP            | <b>Davide Ceriotti</b> , Politecnico di Milano, Italy                                                         |

## Friday, August 8<sup>th</sup>, 2025

### PLENARY SESSION - FLORIAN KRAUS

**Room:** Auditorium II

**Chair:** Berthold Hoge, Bielefeld University, Germany

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09:00 – 10:00     **OXIDATION OF HALOGEN PENTAFLUORIDES AND N<sub>2</sub>**

PL     **Florian Kraus**, Philipps-Universität Marburg, Germany

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### KEYNOTE SESSION - CORMAC MURPHY

**Room:** Auditorium II

**Chair:** Marie-Pierre Krafft, Institut Charles Sadron (UPR 22), University of Strasbourg, France

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10:00 – 10:45     **MICROBIAL ENZYMES THAT DEGRADE PFAS**

KN     **Cormac D. Murphy**, University College Dublin, Ireland

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### KEYNOTE SESSION - KAZUHIKO MATSUMOTO

**Room:** Auditorium II

**Chair:** Michael Gerken, University of Lethbridge, Canada

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11:15 – 12:00     **FLUORINE CHEMISTRY IN ENERGY APPLICATIONS**

KN     **Kazuhiko Matsumoto**, Kyoto University, Japan

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### PLENARY SESSION - PETR BEIER

**Room:** Auditorium II

**Chair:** Henryk Koroniak, Adam Mickiewicz University, Poland

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12:00 – 13:00     **FLUORINATED ORGANIC AZIDES IN SYNTHESIS AND BIOCONJUGATION**

PL     **Petr Beier**, Institute of Organic Chemistry and Biochemistry, Czech Republic

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### CLOSING SESSION AND AWARDS

**Room:** Auditorium II

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13:00 – 14:30     **CLOSING SESSION & AWARDS**

**Ana B. Pereiro and João M. M. Araújo**, NOVA FCT, Portugal

Presentations of the next ESFC (Czech Republic) and ISFC (France)

Award ceremony for the best posters

Closing words

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Friday

Friday



# Scientific Programme: Posters

Wednesday, August 6<sup>th</sup>, 2025: 17:30–19:30

Room: Pavilion 3

## ORGANIC CHEMISTRY

|     |                                                                                                                                                                                                                                                                              |
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| P01 | <b>RADICAL PHOTOCHEMICAL DIFLUOROSULFOXIMINATION OF ALKENES AND PROPELLANES</b><br><b>Julien Paut</b> , University of Paris-Saclay, France                                                                                                                                   |
| P03 | <b>SYNTHESIS OF HFIP ESTERS VIA DEFLUORINATION OF AROMATIC TRIFLUOROMETHYL GROUPS</b><br><b>Shoki Hoshikawa</b> , Setsunan University, Japan                                                                                                                                 |
| P04 | <b>STRAIN-RELEASE-DRIVEN SYNTHESIS OF PERFLUOROSULFANYLATED FOUR-MEMBERED RINGS UNDER ENERGY TRANSFER PHOTOCATALYSIS</b><br><b>Lulu Han</b> , Université Claude Bernard Lyon 1, France                                                                                       |
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| P06 | <b>MECHANOCHEMICAL DIFLUOROMETHYLATION WITH HYPERVALENT IODINE REAGENTS</b><br><b>Vitalii Solomin</b> , University of Rouen Normandy, France                                                                                                                                 |
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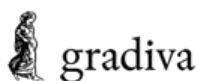


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