



17th International Seminar on Inclusion Compounds and Porous Materials

Poznań, Poland, 2-6 September 2024



17 ISIC PROGRAMME

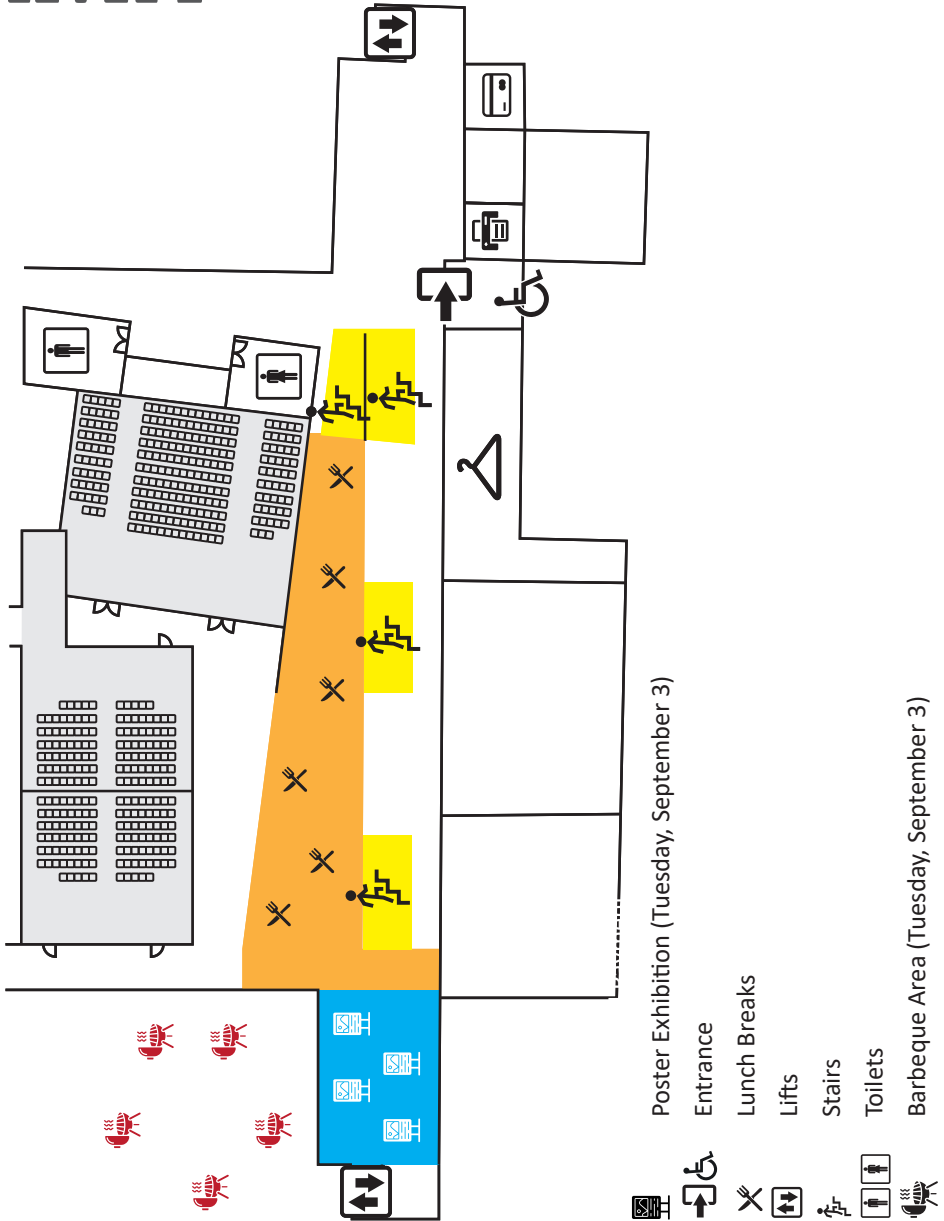
PROGRAMME OVERVIEW

Sunday, September 1, 2024		Monday, September 2, 2024			Tuesday, September 3, 2024			
16:30 - 17:30	Registration	8:30 - 9:00		Registration	8:30 - 9:00		Registration	
17:30 - 20:00	Welcome Reception	9:00 - 9:30		Opening Remarks	9:00 - 9:40	IL 5	Len Barbour	
		9:30 - 10:30	PL 1	Jean-Marie Lehn	9:40 - 10:20	IL 6	Michaele Hardie	
		10:30 - 11:00		Coffee Break	10:20 - 10:40	O 6	Anna Pietrzak	
		11:00 - 11:40	IL 1	Reiko Kuroda	10:40 - 11:10		Coffee Break	
		11:40 - 12:20	IL 2	Consiglia Tedesco	11:10 - 11:50	IL 7	Valentina Colombo	
		12:20 - 12:40	O 1	Maura Malińska	11:50 - 12:30	IL 8	Scott Dalgarno	
		12:40 - 13:00	O 2	Zarik Yusaf	12:30 - 12:50	O 7	David Gonzalez Rodriguez	
		13:00 - 13:10		Photo Group	12:50 - 13:00		Sebastian Machowski	
		13:00 - 14:30		Lunch	13:00 - 13:10		Photo Group	
		14:30 - 15:10	IL 3	Harshita Kumari	13:00 - 14:30		Lunch	
		15:10 - 15:30	O 3	Priya Paul	14:30 - 15:30	PL 2	Niveen Khashab	
		15:30 - 16:00		Coffee Break	15:30 - 16:00		Coffee Break	
		16:00 - 16:40	IL 4	Kathi Edkins	16:00 - 16:40	IL 9	Daniel Maspoch	
		16:40 - 17:00	O 4	Carsten Lenczyk	16:40 - 17:00	O 8	Agnieszka Czapik	
		17:00 - 17:20	O 5	Andrew J. Davies	17:00 - 18:30		Poster Session	
		19:30 - 21:00		Poznań Sightseeing by old-fashion Tram	17:30 - 20:30		Barbecue	

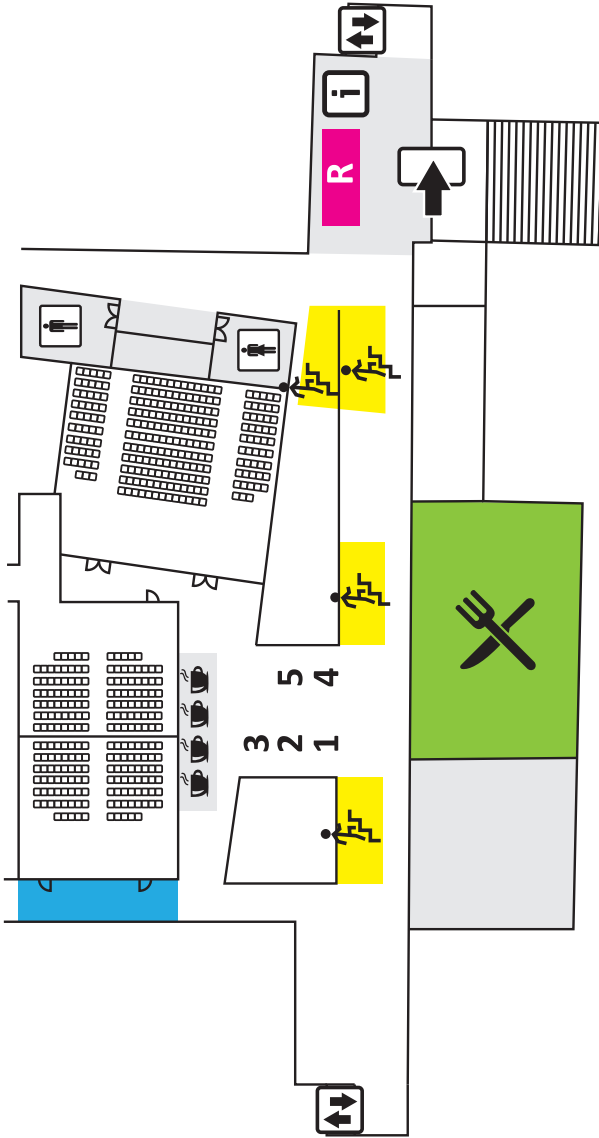
PROGRAMME OVERVIEW

Wednesday, September 4, 2024			Thursday, September 5, 2024			Friday, September 6, 2024		
9:00 - 9:40	IL 10	Stefan Kaskel	9:00 - 9:40	IL 13	Michael Zaworodko	9:00 - 10:00	PL 5	Jerry Atwood
9:40 - 10:00	O 9	Alan Eaby	9:40 - 10:20	IL 14	Takafumi Kitazawa	10:00 - 10:40	IL 18	Janusz Lipkowski
10:00 - 10:20	O 10	Kyriaki Koupepidou	10:20 - 10:40	O 17	Yizhi Xu	10:40 - 11:10		Coffee Break
10:20 - 10:40	O 11	Sebastian Ehrling	10:40 - 11:10		Coffee Break	11:10 - 11:30	O 21	Shaheen Sultana
10:40 - 11:10		Coffee Break	11:10 - 11:50	IL 15	Kari Rissanen	11:30 - 11:45	O 22	Yassin H. Andaloussi
11:10 - 11:50	IL 11	Silvia Bracco	11:50 - 12:20	O 18	Clive Oliver	11:45 - 12:05	O 23	Krzysztof Oliwa
11:50 - 12:10	O 12	Volodymyr Bon	12:20 - 12:40	O 19	Szymon Sobczak	12:05 - 12:25	O 24	Shumaial Razzaque
12:10 - 12:30	O 13	Mihails Arhangelskis	12:40 - 13:00	O 20	Ivana Brekalo	12:25 - 12:45	O 25	Seyed Soroush Mousavi Khadem
12:30 - 12:50	O 14	Damian Jędrzejowski	13:00 - 14:30		Lunch	12:45 - 13:00		Closing Remarks
12:50 - 13:00		Adam Fordon	14:30 - 15:30	PL 4	Tomislav Frisic	13:40 - 14:30		Lunch
13:00 - 14:30		Lunch	15:30 - 16:00		Coffee Break			
14:30 - 15:30	PL 3	Omar M. Yaghi	16:00 - 16:40	IL 16	K. Travis Hollman			
15:30 - 16:00		Coffee Break	16:40 - 17:20	IL 17	Mohamed Eddaoudi			
16:00 - 16:40	IL 12	Jan J. Weigand						
16:40 - 17:00	O 15	Michał Chmielewski						
17:00 - 17:20	O 16	Wojciech Bury						
20:00 - 00:00		Gala Dinner						

LEVEL 1



LEVEL 2

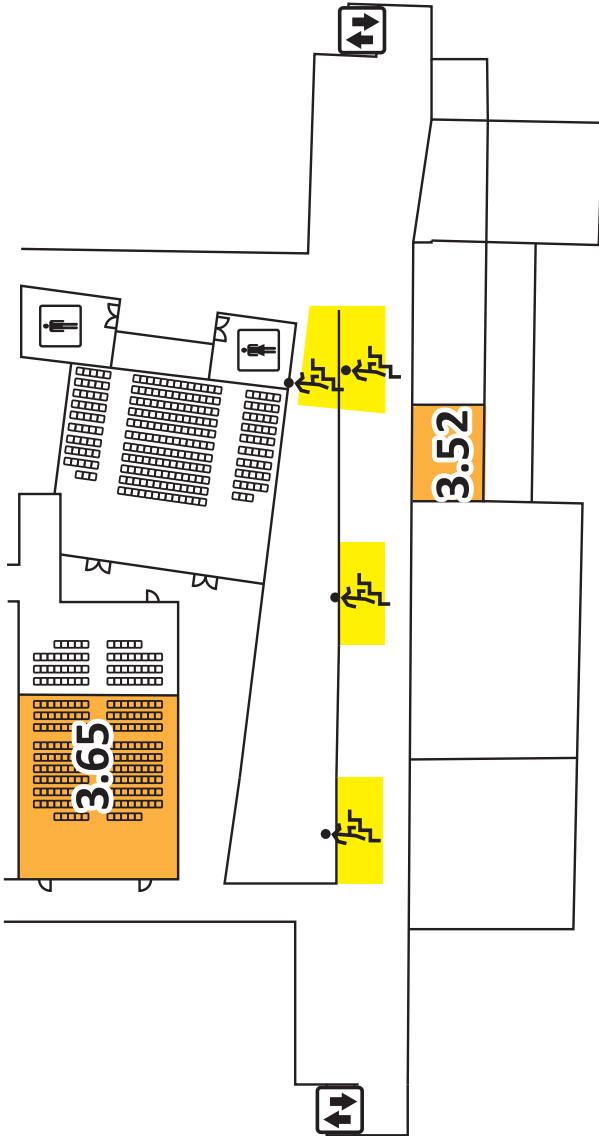


Exhibitors 1-5:

1. Merck
2. SYL & ANT Instruments
3. Testchem
4. 3p Instruments
5. Bruker

	Coffee Breaks		Canteen
	Registration Desk		Lifts
	Information		Stairs
	Main Entrance		Toilets

LEVEL 3



3.65 Conference room

PATRONS, ORGANIZER, SPONSORS, PARTNER



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Prof. dr hab. Bogumiła Kaniewska

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and Technology Park

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International Advisory Board

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WELCOME NOTE BY THE CONFERENCE CHAIRPERSON

Dear ISIC Friends,
Ladies and Gentlemen,

We cordially invite you to Poznań, to attend the 17th International Seminar on Inclusion Compounds and Porous Materials (ISIC&PM).

The ISIC series was initiated in 1987 in Poland (Jaszowiec) and then continued in Slovakia, Ukraine, Czech Republic, South Africa, Moldova, Turkey, UK, Russia and Poland, in some countries more than once.



Originally, this scientific event was aimed primarily at young academics who faced limited opportunities to attend larger scientific gatherings. However, it has gradually evolved over time into a significant periodic scientific event that encompasses a broad range of topics. It is not only dedicated to pure inclusion phenomena, recognition and supramolecular chemistry, but also to the porous, nano- and advanced 'smart' materials and the methods of their research. Furthermore, the upcoming edition will introduce a novel dimension by including the exploration of MOF, COF, and ZIF type porous materials, along with their potential applications.

The main goal of this meeting is to bring together both young and 'experienced' scientists from across the world for healthy discussion at all levels as well as an exchange of ideas within this society.

The 17th International Seminar on Inclusion Compounds and Porous Materials will be held on September 2nd - 6th, 2024 at the Faculty of Chemistry, Adam Mickiewicz University in Poznań, Poland. Poznań, situated on the banks of the Warta River, is a city steeped in history and renowned for its historical heritage, industry, and commerce. It is also one of the largest academic centers in Poland. Boasting more than 10 universities and a student population exceeding 100,000, it serves as a vibrant hub for higher education. These remarkable features, along with numerous other captivating tourist attractions, contribute to Poznań's allure.

We are looking forward to welcoming you in Poznań.

Agnieszka Janiak
Chairman
17th ISIC&PM

Ladies and Gentlemen,
Dear Colleagues,

Welcome to Poland! Welcome to Poznań! It is my great honor and privilege to welcome you to the Faculty of Chemistry at Adam Mickiewicz University, the host of the 17th International Seminar on Inclusion Compounds and Porous Materials.



Poznań is an ancient and beautiful city, one of the largest academic and research hubs in Poland. It is also one of the oldest and most historically significant cities in the country. In fact, many scholars – including groups from our university – argue that Poland, as a nation, was born right here over a thousand years ago. I truly hope that you will have the opportunity (and rest assured, the organizers will ensure this) to visit some of the most important historical sites during your stay.

Our academic tradition dates back to the early 17th century when the first educational institutions of university rank were established here. Since then, despite the interruptions caused by the turbulent history of this part of Europe, scholars and students have been an integral part of the Poznań community. The modern academic history of Poznań began after the First World War, following Poland's restoration of independence. Adam Mickiewicz University, originally known as Poznań University, is now one of the leading universities in Poland. Despite challenging times, our university community of scholars and students continues to grow and thrive. The new Morasko Campus, which includes the new Collegium Chemicum where this meeting is held, is a testament to this ongoing development.

Thank you for attending the 17th International Seminar on Inclusion Compounds and Porous Materials, for visiting the Faculty of Chemistry at Adam Mickiewicz University, and for coming to Poznań. I am confident that these next few days will be filled with fruitful exchanges of ideas, the development of new concepts and connections, and the opportunity to explore this unique and beautiful part of Poland.

Professor Maciej Kubicki
Dean and Professor, Faculty of Chemistry

Venue:

Adam Mickiewicz University in Poznań
Faculty of Chemistry
Uniwersytetu Poznańskiego 8, 61-614 Poznań

Date:

02-06 September 2024

Conference Language:

The lectures will be in English.

Registration:

The Registration Desk will be open during the following hours:

Sunday: 16:30 – 17:30

Monday – Wednesday: 8:00 – 17:00

Please be prepared to present your ID and, if applicable, a proof of your student status.

Name Badge:

Participants, accompanying persons and exhibitors are kindly requested to wear their name badge during all conference events. Admittance to the scientific sessions, exhibition and social events will be refused if the required badge cannot be presented. Lost badges will be replaced at the Registration Desk upon presentation of an identity card.

The name badge entitles to travel all public transport lines in Poznań.

Badge is valid only with ID.

Internet:

A “17ISIC” Wi-Fi network will be set up for the duration of the conference.

Every participant of the conference will receive an individual email and password to log on to the network.

Catering:

Free lunches and soft drinks will be offered to all participants during Lunch Breaks at the catering area. Tea and coffee will be available free of charge in the morning and in the afternoon during Coffee Breaks.

Meteor Student House:

Uniwersytetu Poznańskiego 9, 61-614 Poznań

Meteor is open 24/7, but the office will be closed on Saturday and Sunday. The reception, however, works 24/7.

The hotel day is from 14:00 to 10:00. In case of arrival at night or before the hotel day, please inform us in advance.

Meteor is a new complex with amenities such as: rooms designed for students with disabilities, separate kitchens with dining areas, laundry rooms, patio, sports field, chill out area, canteen, students club, kindergarten, minimarket (6:00-23:00), gym.

Buffet breakfasts will be served at the Ostoja Restaurant in the Faculty of Chemistry building, 1st floor, 2 minutes' walk from Meteor. Breakfasts will be served from 7:00 a.m. to 9:00 a.m.

All rooms have a bathroom and are equipped with a kitchenette and a fridge.

Hotel Accommodation:

A broad range of hotels as well as budget accommodation are available in Poznań.

Please see <https://www.17isic.com/accommodation> for more details.

Gala Dinner Venue:

Hanka Residence

Al. Niepodległości 26, 61-714 Poznań

Move around the city:

The Faculty of Chemistry owns an outdoor parking (free of charge).

For planning a trip by public transport please visit page:

<https://www.ztm.poznan.pl/en/rozklad-jazdy/>

We recommend reaching the conference venue by public transport.

We recommend you download the free application jakdojade.pl which contains the current timetables of public transport along with the maps. The app is available in English. If you allow it to see your location, it can show you the best connection from wherever you are (it shows both buses and trams).

You can also use the application free of charge on the website:

<https://jakdojade.pl/poznan/trasa>

From Poznań-Ławica Airport to Poznań Main Railway Station („Poznań Główny/Poznań Main Station”):

Bus line: 159

Estimated time: 20min

Getting on: bus stop „Port Lotniczy Ławica”

Getting off: bus stop „Poznań Główny”

From Poznań Main Railway Station („Poznań Główny /Poznań Main Station”) to the Faculty of Chemistry:

Tram lines: 12

Estimated time: 20min

Getting on: tram stop „Poznań Główny”

Getting off: tram stop „Os. Sobieskiego” + 10min of walk (see map, next page)

From “Rondo Kaponiera” to the Faculty of Chemistry:

Tram lines: 15

Estimated time: 15min

Getting on: tram stop “Rondo Kaponiera”

Getting off: tram stop “Os. Sobieskiego” + 10min of walk (see map, next page)

From “Rondo Kaponiera PST” to the Faculty of Chemistry:

Tram stop “Rondo Kaponiera PST” is underground.

Tram lines: 12, 14

Estimated time: 15min

Getting on: tram stop “Rondo Kaponiera PST”

Getting off: tram stop “Os. Sobieskiego” + 10min of walk (see map, next page)

From “Most Teatralny” to the Faculty of Chemistry:

Tram lines: 16

Estimated time: 15min

Getting on: tram stop “Most Teatralny”

Getting off: tram stop “Os. Sobieskiego” + 10min of walk (see map, next page)

TAXI in Poznań:

Available taxis can be found on the website:

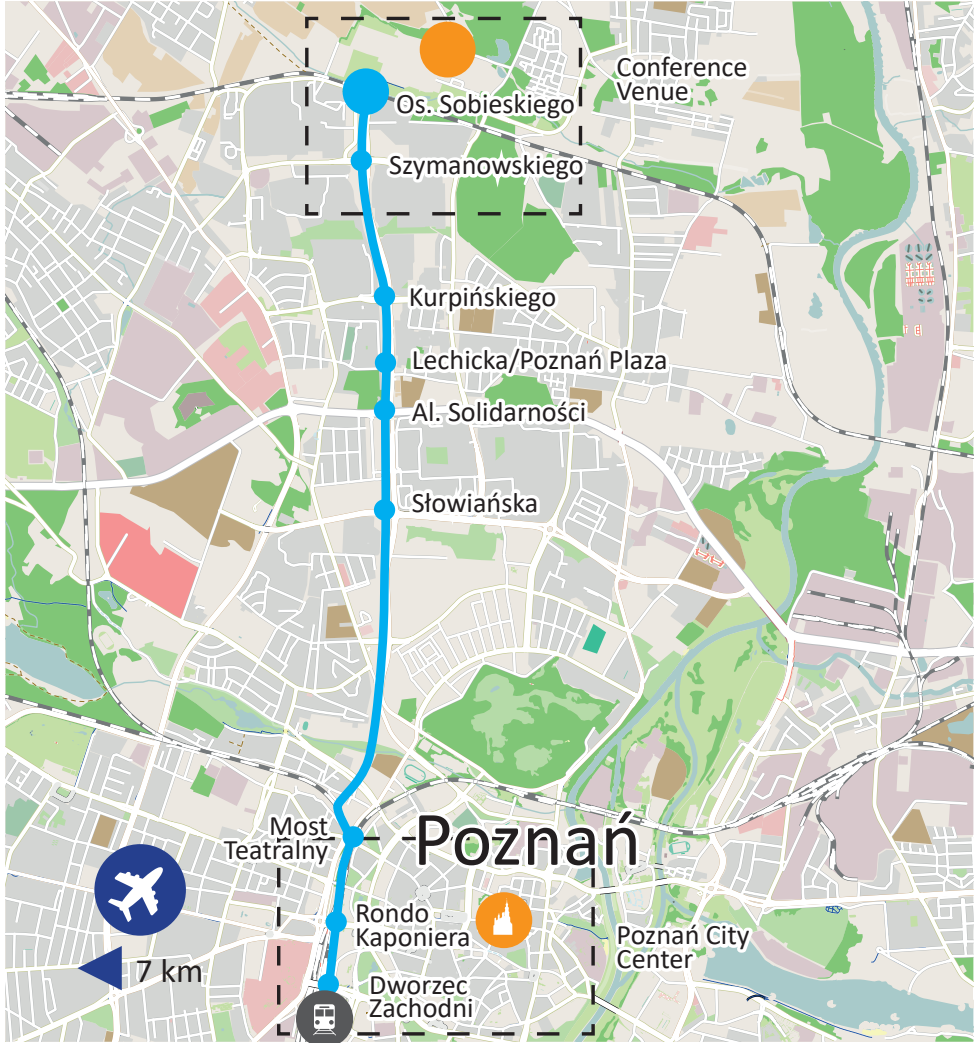
<https://www.poznan.pl/mim/main/taxi,poi,116,6142/>

You can also use Uber and Bolt services.

Currency:

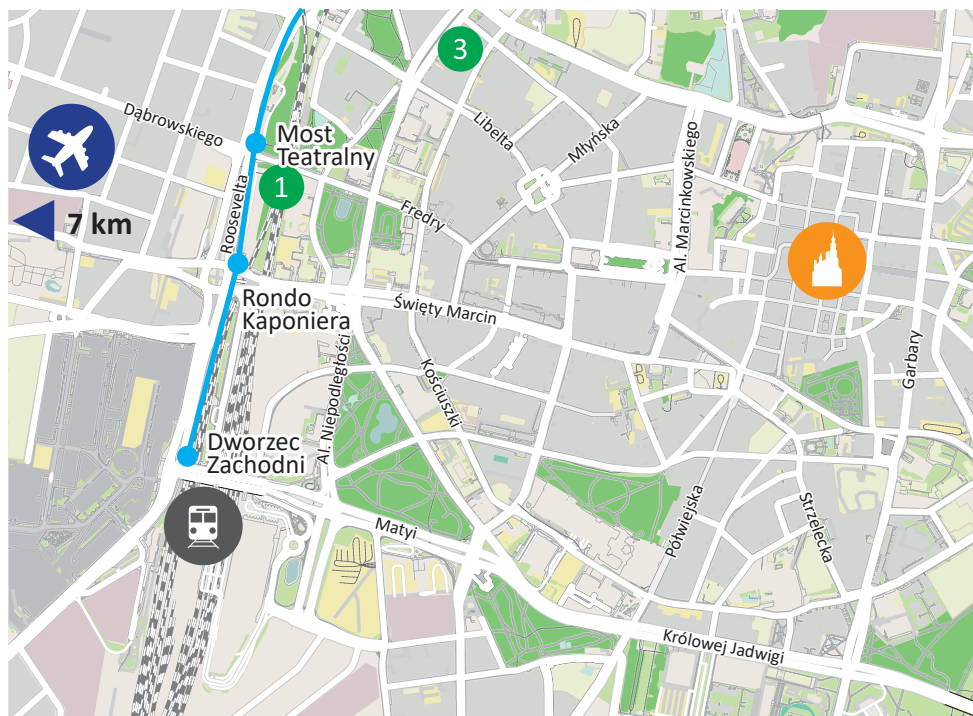
The currency in Poland is Polish zloty (PLN), 1 zloty is worth approximately 0.23 EUR.




Poznań City Map






-  Old Market
-  "Poznań Główny" Railway Station
-  Conference Venue
-  Tram line
-  Tram station

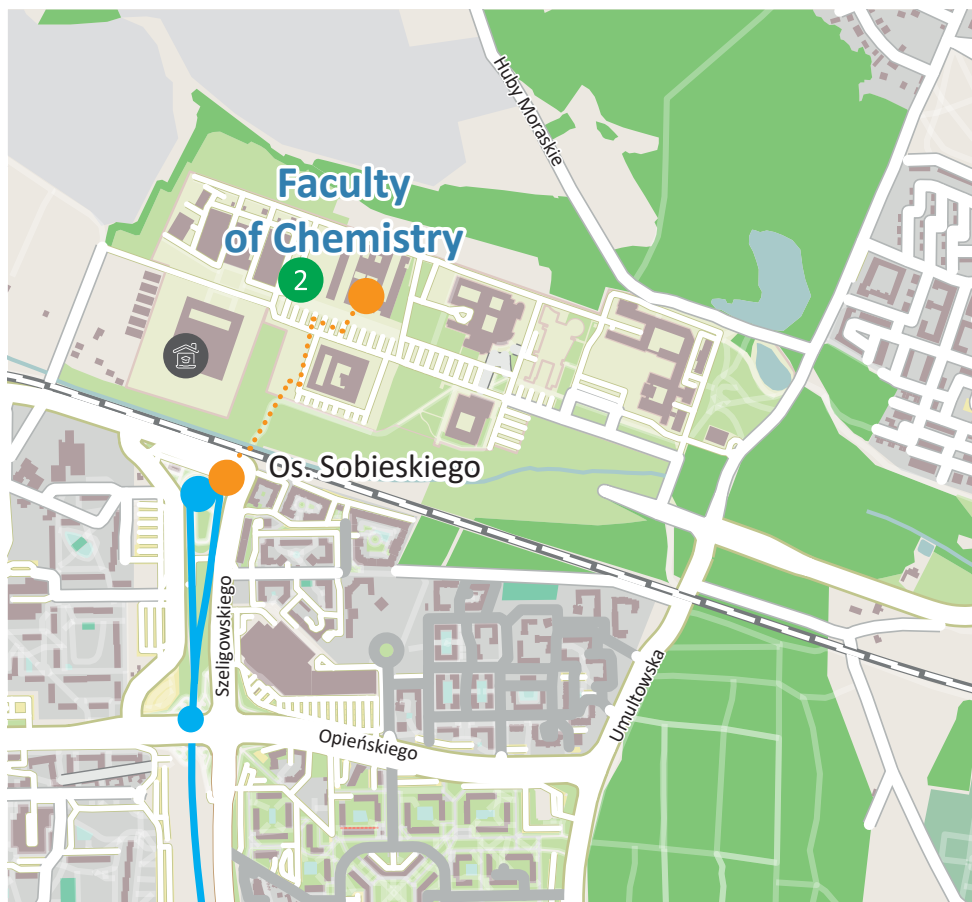
Poznań City Center



-  “Poznań Główny” Railway Station
-  Meeting Point for Poznań Sightseeing by old-fashioned Tram
-  Hanka Residence (Gala Dinner Venue)

-  Old Market Square
-  Tram line
-  Tram station

Conference Venue



- 2 Barbecue Area
- Meteor Student House
- Route from the tram stop to the Conference Venue (c.a. 10 min. by foot)
- Tram line
- Tram station

Welcome Reception

Date: Sunday, September 1

Venue: Faculty of Chemistry

Start: 17:30

The welcome evening will be graced by guitarist Matthew Kelly.

Matthew Kelly is an Irish guitarist, who has been stationed in Poznań for several years and plays eclectic music from the border of jazz and ambient, but also genres such as funk, soul, blues, salsa, swing and reggae.

If you are interested in the acoustic performance of the greatest hits of popular music, we invite you to the first meeting with other delegates, in a relaxed atmosphere with music and light refreshments.

The Welcome Reception is included in the registration fee. On Sunday, the registration will be open from 16:30-17:30.

Opening Remarks

The 17th International Seminar on Inclusion Compounds and Porous Materials will officially start on Monday, September 2, 2024 at 9:00 at room 3.65 (Conference Room).

The 17ISIC Chairperson will welcome all delegates.

Poznań Sightseeing by old-fashion Tram

Date: Monday, September 2

Venue: Meeting Point „Most Teatralny”

Start: 19:30

What could be a better idea for a city tour than a ride on a retro tram?

In our opinion, it's definitely the best option! A good commentary with sense of

humour is a must, but it is not enough to keep the audience engaged. To make sure you won't fall asleep, we use several gadgets and tricks. If possible, the guide puts on an old-



school tram-staff uniform, we punch your retro tickets and on your seats you are going to find mysterious packed objects. We are going to unpack them together! All of them are somehow connected with the city and will help you understand its culture. All that comes with a pinch of salt, of course. The route will include the city's magnificent tourist sites (e.g. Cathedral on the Cathedral Island, Imperial Castle and Imperial District), which we will admire during sunset.

Barbecue

Date: Tuesday, September 3

Venue: Faculty of Chemistry

Start: 17:30

On the second day of the conference there will be a barbecue on the square next to the Collegium Chemicum building. The barbecue will be a wonderful opportunity to enjoy conversations and create long-lasting memories. Meat and beer will be provided. We hope that the aromas and general ambiance of the barbecue will provide you a pleasant experience outside of the conference room.

Gala Dinner - Hanka Residence

Date: Wednesday, September 4

Venue: Hanka Residence

Start: 20:00

On Wednesday evening we will meet for a gala dinner in a historic Poznań Residence. During dinner we will have the opportunity to try one of the best cuisines in Poland

with the sounds of music. Jan Adamczewski Trio is a Group of Poznań saxophonist Jan Adamczewski, pianist and double bassist. The brand focuses on its own compositions and thrilling improvisations. During the concert you can hear well-known film works, standards of pop and jazz music in their own arrangements and, of course, compositions by artists.



Presentation upload room

If you are scheduled to make an Oral presentation at the conference, please visit Hall 3.65 on the 3th level of the building to upload your files with the AV Technician. Please ensure that your files are uploaded the DAY PRIOR to your scheduled presentation date. There will be an AV Technician available on Sunday afternoon at the Registration desk between 16:30 and 17:30hrs for files to be uploaded and ready for Monday morning. In extraordinary cases, files should be uploaded no later than the coffee break before the session. Preferred files are PowerPoint and PDF files. Alternatively, it is possible to use your own laptop with an HDMI connection. However, please try it first with the AV Technician, to make sure that everything is working fine.

Posters

Posters will be displayed throughout the conference at the Poster Exhibition. Authors are asked to place their poster on the appropriate poster board with the materials provided by Tuesday, September 3 before 5:00 p.m. (Posters may hang throughout the conference.) Poster boards have the same number as the titles in the conference program. Poster presenters are asked to be present during the poster session. Poster boards are made of cork and are 980 mm x 1220 mm (width x height). Posters should not be laminated. Mounting materials will be provided on site.

Legend to the scientific programme and posters

PL - Plenary Lecture

IL - Invited Lecture

O - Oral Communications

P - Poster

8:30 - 9:00	Registration
9:00 - 9:30	Opening Remarks
	Chair: Maciej Kubicki
9:30 - 10:30 PL-1	Jean-Marie Lehn <i>From Supramolecular Chemistry Towards Adaptive Chemistry</i>
10:30 - 11:00	Coffee Break
11:00 - 11:40 IL-1	Reiko Kuroda <i>Guest Molecules in Inclusion Crystals Play Key Roles in Chirality Recognition</i>
11:40 - 12:20 IL-2	Consiglia Tedesco <i>Molecular Conformation, Self-Assembly And Host-Guest Chemistry Of Cyclic Peptoids</i>
12:20 - 12:40 O-1	Maura Malińska <i>Untangling Amino Acid-Cucurbit[7]uril Binding in Water: Hydrophobic Effect versus Ion-Dipole Interactions</i>
12:40 - 13:00 O-2	Zarik Yusaf <i>Organic Cage Rotaxanes</i>
13:00 - 13:10	Photo Group
13:00 - 14:30	Lunch

Chair: Consiglia Tedesco

- 14:30 - 15:10
IL-3 **Harshita Kumari**
Engineering Supramolecular Assemblies in Solution and Soft Materials
- 15:10 - 15:30
O-3 **Priya Paul**
Exploration of Supramolecular Organogelators: Effect of Gelation and Degelation on Specific End Group and Chain Length of Alcohols
- 15:30 - 16:00 **Coffee/Tea Break**
- 16:00 - 16:40
IL-4 **Kathi Edkins**
Supramolecular Recognition in Pharmaceutical Drug Materials – from Fundamental Prediction to Application
- 16:40 - 17:00
O-4 **Carsten Lenczyk**
Uncovering the Details: Get the Most out of Your MOF/COF Samples
Gold Sponsor – BRUKER
- 17:00 - 17:20
O-5 Andrew J. Davies
Vapour Adsorption Studies of Porous Materials
Surface Measurement Systems

8:30 - 9:00	Registration
	Chair: Kari Rissanen
9:00 - 9:40 IL-5	Len Barbour <i>Perspectives from More Than a Decade of In Situ Structural Analysis of Porous Materials</i>
9:40 - 10:20 IL-6	Michaele Hardie <i>Metal-Directed Cage and Network Assemblies from Pyramidal Host-Type Ligands</i>
10:20 - 10:40 O-6	Anna Pietrzak <i>Ambiguous Faces Of Water-Based Inclusion Compounds: Case Study of Intercalato-Clathrate Of Pt(II) Complex</i>
10:40 - 11:10	Coffee/Tea Break
11:10 - 11:50 IL-7	Valentina Colombo <i>In situ insights into adsorption and catalysis in Metal-Organic Framework</i>
11:50 - 12:30 IL-8	Scott Dalgarno <i>Calix[4]arenes as Highly Versatile Platforms for Self- and Metal-Directed Assembly</i>
12:30 - 12:50 O-7	David Gonzalez Rodriguez <i>Host-Guest Chemistry within Novel Adaptable Porphyrin Nanocages</i>
12:50 - 13:00	Sebastian Machowski Bronze Sponsor - TESTCHEM Sponsor presentation
13:00 - 13:10	Photo Group
13:00 - 14:30	Lunch

Chair: Kathi Edkins

- 14:30 - 15:30
PL-2 **Niveen Khashab**
Porous Supramolecular Hosts: From Energy Intensive Separations to Sensors and Soft Robotics
- 15:30 - 16:00 **Coffee/Tea Break**
- 16:00 - 16:40
IL-9 **Daniel Maspoch**
Clip-off Chemistry: Synthesis by Bond Cleavage
- 16:40 - 17:00
O-8 **Agnieszka Czapik**
From Triangles to Squares – Highly Solvated Overcrowded Chiral Macrocycles
- 17:00 - 18:30 **Poster Session**

Chair: Len Barbour

9:00 - 9:40

IL-10

Stefan Kaskel

Stimuli Responsive Metal-organic Frameworks

9:40 - 10:00

O-9

Alan Eaby

An ultramicroporous physisorbent sustained by a trifecta of directional supramolecular interactions

10:00 - 10:20

O-10

Kyriaki Koupepidou

Structural Transformations in a Transiently Porous Coordination Network

10:20 - 10:40

O-11

Sebastian Ehrling

The Limits of Surface and Pore Volume Characterization

10:40 - 11:10

Coffee/Tea Break

11:10 - 11:50

IL-11

Silvia Bracco

Rotor dynamics, luminescent properties and gas reorientation in crystalline nanoporous architectures

11:50 - 12:10

O-12

Volodymyr Bon

Boosting the Negative Gas Adsorption Transitions Using Multivariate Framework Approach

12:10 - 12:30

O-13

Mihails Arhangel'skis

Computational Crystal Structure Prediction for the Design of Functional Metal-Organic Frameworks

12:30 - 12:50

O-14

Damian Jędrzejowski

Click and Collect: Versatile Covalent Functionalization of Novel Tetrazine-Based MOFs

12:50 - 13:00

Adam Fordon

Bronze Sponsor - 3P and UNI-EXPORT Sponsor presentation

13:00 - 14:30

Lunch

Chair: Michael Zaworotko

14:30 - 15:30

PL-3

Omar M. Yaghi

***Organic Chemistry and Molecular Weaving in All Dimension
- online lecture***

15:30 - 16:00

Coffee/Tea Break

16:00 - 16:40

IL-12

Jan J. Weigand

***Well-defined Polyhedral Coinage-Metal Phosphinidenides as Isolable
Building Blocks for Polydimensional Metal-Organic Frameworks***

16:40 - 17:00

O-15

Michał Chmielewski

***The Inner Life of a MOF: Templated Self-Organization of Linkers in a
Pillared-Layer MOF***

17:00 - 17:20

O-16

Wojciech Bury

***Pre- and Postsynthetic Strategies Applied To Zr-Based MOFs –S'lected
Catalytic Applications***

Chair: Michael Hardie

9:00 - 9:40

IL-13

Michael Zaworotko

Crystal Engineering: Then, Now and Next

9:40 - 10:20

IL-14

Takafumi Kitazawa

Supramolecular Soma-Iwamoto type Spin Crossover Coordination polymer Compounds

10:20 - 10:40

O-17

Yizhi Xu

Ab initio Crystal Structure Prediction of Metal-Organic Frameworks with Machine-Learned Potentials

10:40 - 11:10

Coffee/Tea Break

11:10 - 11:50

IL-15

Kari Rissanen

Supramolecular Halogen(I) Chemistry

11:50 - 12:20

O-18

Clive Oliver

Structurally-Dynamic, 2-Periodic MOFs as Hosts for Included Solvents, Gases and Water Vapour

12:20 - 12:40

O-19

Szymon Sobczak

Solvent-Solute Interactions Probed by Piezosolvatochromism

12:40 - 13:00

O-20

Ivana Brekalo

The Use of Computationally Informed Mechanochemistry in the Synthesis of New Zinc Imidazolate Forms

13:00 - 14:30

Lunch

Chair: Scott Dalgarno

14:30 - 15:30

PL-4

Tomislav Frisic

Mechanochemistry: Unlocking Rapid, Scalable and Green Synthesis of Covalent, Supramolecular and Framework Targets

15:30 - 16:00

Coffee/Tea Break

16:00 - 16:40

IL-16

K. Travis Hollman

Sorbent Properties of Dimethoxypillar[5]arene (DMP5)

16:40 - 17:20

IL-17

Mohamed Eddaoudi

to be announced

Chair: Kinga Suwińska & Kornel Roztocki

- 9:00 - 10:00
PL-5 **Jerry Atwood**
to be announced
- 10:00 - 10:40
IL-18 **Janusz Lipkowski**
Inclusion Compounds Chemistry – Historical Remarks and Introduction to Conference Series
- 10:40 - 11:10 **Coffee/Tea Break**
- 11:10 - 11:30
O-21 **Shaheen Sultana**
Exploration [2+2] Reactions for Dimerizations and Polymerizations in the Metal-Organic Gels and Single Crystals of Coordination Polymers
- 11:30 - 11:45
O-22 **Yassin H. Andaloussi**
Dinuclear copper sulfate-based switching adsorbent layered materials for water harvesting and hydrocarbon selectivity
- 11:45 - 12:05
O-23 **Krzysztof Oliwa**
Development of a Characterisation Toolbox for Porous Liquid Solutions to Understand Their Gas Inclusion and Selectivity Capabilities
- 12:05 - 12:25
O-24 **Shumaial Razzaque**
Hypercrosslinked Polymers for the electrocatalytic Oxygen Reduction Reaction
- 12:25 - 12:45
O-25 **Seyed Soroush Mousavi Khadem**
Photocatalytic conversion of CO₂ into Valuable Products by Porphyrin based Metal-Organic Frameworks
- 12:45 - 13:00 **Closing Remarks**
Granting Diplomas and Prizes for the best Poster Presentations
- 13:00 - 14:30 **Lunch**

P1 – Agata Tabero

Anhydrous proton conduction in imidazole-filled ordered mesoporous materials

P2 – Krzysztof Oliwa

Development of a Characterisation Toolbox for Porous Liquid Solutions to understand their Gas Inclusion and Selectivity Capabilities

P3 – Martyna Mańka

Enhanced Electrochemical Sensing of Aldehydes Using Zeolitic Imidazolate Frameworks

P4 – Kornel Roztocki

Mechanistic Insights into Flexible MOFs for Gas Storage, Separation, Logic Construction, and Sensing Applications

P5 – Sergiu Shova

New MOFs Formed By Azamacrocyclic Ni(II), Zinc(II) And Copper(II) Cations and [3,2-b]thiophene-2,5-dicarboxylate As Linker

P6 – Wiktoria Gromelska

Synthesis and Characterization of d10 Metal-Organic Frameworks Utilizing 2,5-Bis(4-(pyridin-4-yl)phenyl)thiazolo[5,4-d]thiazole and V-Shaped Dicarboxylate

P7 – Bramantya Bramantya

Computational design of magnetic metal-organic frameworks (MOFs)

P8 – Mateusz Adam Baluk

New MOF-based composites for photocatalysis

P9 – Szymon Sobczak (PhD)

Multi-directional ferroelastic strain coupled to the conformation of linkers and the metal cation coordination

P10 – Paweł Piszora

Spatial Distribution of Microstrains in the Crystal Lattice of MOFs Differing in the Degree of Structure Opening

P11 – Narhari Sapkota

Tuning Porphyrin based Metal–Organic Frameworks Topology by Selection of Auxiliary Ligands and Lanthanide Nodes - Syntheses, Structures and Electrochemical Properties

P12 – Szymon Sobczak (MSc)

Theoretical and Experimental Insights into Stimuli Responses of Two Isostructural MOFs Differing by a Single Atom

P13 – Joanna Drwęska

A Theoretical And Experimental Study On CO₂ Binding Sites And Transformability Of CALF-20 Metal-Organic Framework

P14 – Joanna Drwęska

The Inclusion Phenomena In Chiral Macrocyclic Compounds

P15 – Alexios Vicatos

In Situ Crystallographic Visualisation Of Gas Uptake By A Trianglimine Molecular Crystal

P16 – Joseph Marret

Mechanochemical Synthesis of Carcerands

P17 – David Rincón

Exploring Halogen Bonding in Water: Cucurbit[7]uril Interactions with Halogenated 1-Phenylpiperazine Molecules

P18 – Oksana Danylyuk

Pentamidine and Alexidine Fold in the Bowl-Shaped Cavity of a Macrocyclic Host

P19 – Magdalena Ceborska

Unclosed cryptands as matrices stabilizing water clusters in the solid state

P20 – Maura Malinska

Improving solubility and separation efficiency of antidepressant drugs through cucurbituril complexation

P21 – Zarik Yusaf

Organic Cage Rotaxanes

P22 – Kateryna Kravets

Diversity of p-sulfonatocalix[4]arene-benzamidine complexes caused by counterion and crystal “aging” in the mother liquor

P23 – Agnieszka Czapik

Intermolecular Interactions in Design of Self-Organizing Macrocyclic Compounds

P24 – Pavlo Hyziuk

Enhanced Catalytic Performance of Cucurbit[7]uril-Gold Nanoparticle Assemblies

P25 – Klaudia Chuchracka

Chirality Of Flexible Triphenylamine Propellers Ruled By Chiral Substituent In Solution And In Solid Phase

P26 – Ewa Patyk-Kaźmierczak

Supramolecularly Assembled Metal-Free Negative Linear Compressibility Material

P27 – Ewelina Wieczorek-Szweda

Dipyromethene and azadipyromethene complexes as a new approach in photodynamic therapies

P28 – Dominika Prętko

Crystal Engineering of Lanthanide(III) Supramolecular Systems

P29 – Mateusz Gołdyn

Mechanochemistry as an effective method for the synthesis of multicomponent systems containing praziquantel

P30 – Gracjan Kurpik

Unlocking The Potential Of Pyridyl- β -diketonate Ligands For Constructing Functional Coordination Nanostructures With Applications In Catalysis

P31 – Adrianna Szmulewicz

Supramolecular Polymers Based on Biphenyldiimides – Side-chain Influence on the Thermodynamics of the Self-assembly Process

P32 – Agnieszka Bajer

Guest-Induced Transformation of Tmeda-Based Water-Soluble Coordination Cage

P33 – Weronika Wachowicz

Developing Novel Heterometallic Dynamic Cages: Synthesis, Structural Design, and Applications

P34 – Wiktoria Adamska

Design and Functionalization of Hydrogen-Bonded Octameric Capsules for Targeted Guest Encapsulation and Separation

P35 – Khushal Kapadiya

A Green Approach to Synthesis of 2-Amino Thiophene Derivatives by Using PEG-400: Antioxidant and Anti-cancer Studies

P36 – Aizhamal Subanbekova

Hybrid Coordination Network Family with Metal-dependent Dynamic Behavior

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