

IUPAC 2025: OVERVIEW PROGRAMME FOR THE 50TH WORLD CHEMISTRY CONGRESS

All the meeting rooms are in Kuala Lumpur Convention Centre: **MR** = Meeting Room (MR3xx located at Level 3; MR4xx located at Level 4) | **PT** = Plenary Theatre, Level 3 | **CH** = Conference Hall, Level 3 | **Suite** = locate at Level 3 | **TS** = Thematic Session



14th July 2025, Monday - Programme Overview

Opening Ceremony	CH 1-3	1500 - 1600
PLENARY 1: Realizing Chemistry's Pivotal Role in Our Sustainable Future, Prof Peter Mahaffy, King's University, Canada	CH 1-3	1600 - 1650
PLENARY 2: The Exciting Potential of AI for Drug and Therapeutic Discovery, Prof David Winkler, La Trobe University, Australia	CH 1-3	1650 - 1740
14CS1-MR409 - TS4 Thematic session - Workshop on Chemical Safety and Security	MR409	0900 - 1500
Welcome Reception	Ballroom 1+2	1800 - 2000

15th July 2025, Tuesday - Programme Overview

Time \ Venue	CH1&2	CH3	Plenary Theatre	MR302	MR303	MR304	MR305	MR306	MR401	MR402	MR403	MR404	MR405	MR406	MR407	MR408	MR409	MR410
0800 - 0845	CH1&2 2025 CHEMISTRY EUROPE AWARD LECTURE: g-xTB: DFT accuracy at tight-binding speed Prof Stefan Grimme, University of Bonn, Germany																	
0900 - 1030	15CS1-CH1&2 Polymer & Materials	WCLM 0800 - 1100	15CS1-PT Education & Public Understanding S19	15CS1-MR302 Analytical & Forensic	15CS1-MR303 Environmental	15CS1-MR304 Environmental S17	15CS1-MR305 Environmental S17	15CS1-MR306 Polymer & Materials S18	15CS1-MR401 Green Chemistry S11	15CS1-MR402 Green Chemistry	15CS1-MR403 Inorganic & Bioinorganic	15CS1-MR404 Organic & Biomolecular	15CS1-MR405 Education & Public Understanding	15CS1-MR406 Physical & Biophysical	15CS1-MR407 Human Health & Well Being		15CS1-MR409 TS4	15CS1-MR410 SDG2
1100 - 1240	CH1&2 PLENARY 3: From Coherence in Photosynthesis to Chemical Quantum Information Science Prof Gregory Scholes, Princeton University, United States PLENARY 4: Green Chemistry toward Low-sugar Universal Vaccines and Glycoengineered Antibodies Prof Chi-Huey Wong, Scripps Research Institute, United States																	
1400 - 1600	15CS2-CH1&2 Polymer & Materials	Council Meeting 1400 - 1700	15CS2-PT Education & Public Understanding S19	15CS2-MR302 Analytical & Forensic	15CS2-MR303 Environmental	15CS2-MR304 Environmental S17	15CS2-MR305 Environmental S17	15CS2-MR306 Polymer & Materials S18	15CS2-MR401 Green Chemistry S11	15CS2-MR402 Green Chemistry	15CS2-MR403 Inorganic & Bioinorganic	15CS2-MR404 Organic & Biomolecular S03	15CS2-MR405 Education & Public Understanding	15CS2-MR406 Physical & Biophysical	15CS2-MR407 Human Health & Well Being	15CS2-MR408 TS10	15CS2-MR409 TS4	15CS2-MR410 SDG2
1630 - 1800	15CS3-CH1&2 Polymer & Materials		15CS3-PT Education & Public Understanding S19	15CS3-MR302 Analytical & Forensic		15CS3-MR304 Environmental S17	15CS3-MR305 Environmental S17	15CS3-MR306 Polymer & Materials S18	15CS3-MR401 Green Chemistry S11		15CS3-MR403 Inorganic & Bioinorganic	15CS3-MR404 Organic & Biomolecular S03	15CS3-MR405 Education & Public Understanding S21	15CS3-MR406 TS11		15CS3-MR408 TS9	15CS3-MR409 TS4	15CS3-MR410 SDG2

Key Indication

WCLM	— The World Chemistry Leadership Meeting	S11 Symposium	— IUPAC Contribution and Green Chemistry Contribution Innovations towards Sustainable Development
Analytical & Forensic	— General Session	S17 Symposium	— Carbon-Neutral Chemical Production via Advanced Nanocatalysis
Education & Public Understanding	— General Session	S18 Symposium	— IKM-MRB Symposium on Elastomers and Latexes (IMSEL 2025)
Environmental	— General Session	S19 Symposium	— Systems Thinking in Chemistry for Sustainability
Green Chemistry	— General Session	S21 Symposium	— CTI Workshop
Human Health & Well Being	— General Session	SDG2	— Zero Hunger
Inorganic & Bioinorganic	— General Session	TS10	— Thematic Session - RSC Forum on Open Knowledge Dissemination
Organic & Biomolecular	— General Session	TS11	— Thematic Session - IYCN-MYCN Young Chemist Programme
Physical & Biophysical	— General Session	TS4	— Thematic session - Workshop on Chemical Safety and Security
Polymer & Materials	— General Session	TS9	— Thematic Session - ACS on Campus
S03 Symposium	— Diradical Chemistry		

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16th July 2025, Wednesday - Programme Overview

Time / Venue	CH1&2	CH3	MR302	MR303	MR304	MR305	MR306	MR401	MR402	MR403	MR404	MR405	MR406	MR407	MR408	MR409	MR410
0800 - 0845	CH1&2 IUPAC-SOONG PRIZE FOR SUSTAINABLE CHEMISTRY LECTURE: Reticular Chemistry, Climate, AI Prof Omar Yaghi, University of California, United States																
0900 - 1030	16CS1-CH1&2 Polymer & Materials S22	Council Meeting & Election 0900 - 1800	16CS1-MR302 Analytical & Forensic	16CS1-MR303 Environmental	16CS1-MR304 Environmental S17	16CS1-MR305 Environmental S17	16CS1-MR306 Polymer & Materials S18	16CS1-MR401 Green Chemistry	16CS1-MR402 Analytical & Forensic AS	16CS1-MR403 Inorganic & Bioinorganic	16CS1-MR404 Organic & Biomolecular S03	16CS1-MR405 TS3	16CS1-MR406 Physical & Biophysical	16CS1-MR407 TS1	16CS1-MR408 TS7	16CS1-MR409 TS4	16CS1-MR410 SDG13
1100 - 1240	CH1&2 PLENARY 5: Pushing Boundaries: Innovations in Organometallic Complexes and Catalysts for Advanced Chemical Transformations Prof Zhaomin Hou, RIKEN Center for Sustainable, Resource Science, Japan PLENARY 6: Rethinking Fluorine Chemistry with Global Challenges in Mind Prof Veronique Gouverneur, University of Oxford, United Kingdom																
1400 - 1600	16CS2-CH1&2 Polymer & Materials S22	Council Meeting & Election 0900 - 1800	16CS2-MR302 Analytical & Forensic	16CS2-MR303 Environmental S07	16CS2-MR304 Environmental S17	16CS2-MR305 Environmental S17	16CS2-MR306 Polymer & Materials	16CS2-MR401 Green Chemistry S11	16CS2-MR402 TS6	16CS2-MR403 Inorganic & Bioinorganic	16CS2-MR404 Organic & Biomolecular S03	16CS2-MR405 TS3	16CS2-MR406 Cheminformatics	16CS2-MR407 TS1	16CS2-MR408 TS7	16CS2-MR409 TS4	16CS2-MR410 SDG13
1630 - 1800	16CS3-CH1&2 Polymer & Materials S22		16CS3-MR302 Analytical & Forensic	16CS3-MR303 Environmental S20	16CS3-MR304 Environmental S17			16CS3-MR401 Green Chemistry	16CS3-MR402 TS6	16CS3-MR403 Inorganic & Bioinorganic		16CS3-MR405 TS3	16CS3-MR406 Cheminformatics	16CS3-MR407 TS1		16CS3-MR409 TS4	16CS3-MR410 SDG13

Key Indication

Council Election

Analytical & Forensic AS

Analytical & Forensic

Cheminformatics

Environmental

Green Chemistry

Inorganic & Bioinorganic

Physical & Biophysical

Polymer & Materials

S03 Symposium

S07 Symposium

S11 Symposium

— Agilent Session

— General Session

— General Session

— General Session

— General Session

— General Session

— General Session

— General Session

— Diradical Chemistry

— Environmental Occurrence and Management of PFAS

— IUPAC Contribution and Green Chemistry Contribution Innovations towards Sustainable Development

S17 Symposium

S18 Symposium

S20 Symposium

S22 Symposium

SDG13

TS1

TS3

TS4

TS6

TS7

TS7

— Carbon-Neutral Chemical Production via Advanced Nanocatalysis

— IKM-MRB Symposium on Elastomers and Latexes (IMSEL 2025)

— Chemical of Emerging Concern (CECs) in Polar Environments

— Biopolymers and Sustainability

— Climate Action

— Thematic Session - Artificial Intelligence in Chemistry

— Thematic session - Green Chemistry in Education

— Thematic session - Symposium on Chemical Safety and Security

— Thematic Session - Malaysian Rubber Board (MRB) Celebrating 100 Years of Excellence in Rubber and Latex Sciences (100YC)

— Thematic Session - Professional And Responsible Practices In Chemistry Including Responsible Care Responsible Care Practices by Chemical Industries Council of Malaysia (CICM)

— Thematic Session - Professional And Responsible Practices In Chemistry Including Responsible Care Symposium on Chemistry as a Profession in Malaysia

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17th July 2025, Thursday - Programme Overview

Time / Venue	CH1&2	CH3	MR302	MR303	MR304	MR305	MR306	MR401	MR402	MR403	MR404	MR405	MR406	MR407	MR408	MR409	MR410
0900 - 1030	17CS1-CH1&2 Polymer & Materials S18	17CS1-CH3 TS8	17CS1-MR302 Analytical & Forensic	17CS1-MR303 Environmental S17	17CS1-MR304 Environmental S05	17CS1-MR305 Environmental	17CS1-MR306 Polymer & Materials	17CS1-MR401 Green Chemistry	17CS1-MR402 Organic & Biomolecular	17CS1-MR403 Inorganic & Bioinorganic	17CS1-MR404 Organic & Biomolecular	17CS1-MR405 TS11	17CS1-MR406 SDG3	17CS1-MR407 TS1	17CS1-MR408 SDG6	17CS1-MR409 TS4	17CS1-MR410 SDG7
1100 - 1240	CH1&2 PLENARY 7: Advancing the Frontiers of Semiconducting Polymers Through Precision Synthesis Prof Christine K Luscombe, Okinawa Institute of Science and Technology, Japan PLENARY 8: Design and Synthesis of Nanomaterials for Biomedical and Energy Applications Prof Jackie Yi-Ru Ying, King Faisal Specialist Hospital & Research Centre, Saudi Arabia																
1400 - 1600	17CS2-CH1&2 Polymer & Materials	17CS2-CH3 TS8	17CS2-MR302 Analytical & Forensic	17CS2-MR303 Environmental S09	17CS2-MR304 Environmental S05	17CS2-MR305 Environmental S08	17CS2-MR306 Polymer & Materials S22	17CS2-MR401 Green Chemistry S16	17CS2-MR402 Organic & Biomolecular S02	17CS2-MR403 Inorganic & Bioinorganic	17CS2-MR404 Organic & Biomolecular S04	17CS2-MR405 TS11	17CS2-MR406 SDG3	17CS2-MR407 TS1	17CS2-MR408 SDG6	17CS2-MR409 TS4	17CS2-MR410 SDG7
1630 - 1800	17CS3-CH1&2 Polymer & Materials	17CS3-CH3 TS8	17CS3-MR302 Analytical & Forensic	17CS3-MR303 Environmental S17		17CS3-MR305 Environmental S06		17CS3-MR401 Green Chemistry	17CS3-MR402 Organic & Biomolecular	17CS3-MR403 Inorganic & Bioinorganic	17CS3-MR404 Organic & Biomolecular	17CS3-MR405 TS11	17CS3-MR406 SDG3			17CS3-MR409 TS7	17CS3-MR410 SDG7

Key Indication

Analytical & Forensic	— General Session	S17 Symposium	— Carbon-Neutral Chemical Production via Advanced Nanocatalysis
Environmental	— General Session	S18 Symposium	— IKM-MRB Symposium on Elastomers and Latexes (IMSEL 2025)
Green Chemistry	— General Session	S22 Symposium	— Biopolymers and Sustainability
Inorganic & Bioinorganic	— General Session	SDG3	— Good Health & Well Being
Organic & Biomolecular	— General Session	SDG6	— Clean Water & Sanitation
Polymer & Materials	— General Session	SDG7	— Affordable & Clean Energy
S02 Symposium	— Organic Mechanochemistry	TS1	— Thematic Session - Artificial Intelligence in Chemistry
S04 Symposium	— A.I. Guided Automation in Synthetic Processes	TS11	— Thematic Session - IYCN-MYCN Young Chemist Programme
S05 Symposium	— Evaluation of Advanced Technologies for Carbon Sequestration, Utilisation and Capture	TS4	— Thematic session - Symposium on Chemical Safety and Security
S06 Symposium	— Understanding and Managing Environmental Impacts of Tire Use: From Wear Particles to End-of-Life Management	TS7	— Thematic Session - Professional And Responsible Practices In Chemistry Including Responsible Care IUPAC Guiding Principles for the Responsible Practice of Chemistry
		TS8	— Thematic session - PhosAgro/UNESCO/IUPAC Symposium Green Chemistry: Experiences and Opportunities for Co-operation for Sustainable Future

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18th July 2025, Friday - Programme Overview

Time / Venue	CH1&2	CH3	MR302	MR303	MR304	MR305	MR306	MR401	MR402	MR403	MR404	MR405
0800 - 0845	CH1&2 PhosAgro/UNESCO/IUPAC/IKM Lecture: The Stockholm Declaration on Chemistry for the Future Prof Paul T Anastas, Yale University, United States											
0900 - 1030	18CS1-CH1&2 Polymer & Materials	18CS1-CH3 Education & Public Understanding	18CS1-MR302 Analytical & Fo- rensic	18CS1-MR303 SDG6	18CS1-MR304 Environmental	18CS1-MR305 Environmental S17	18CS1-MR306 SDG3	18CS1-MR401 Green Chemistry	18CS1-MR402 TS5	18CS1-MR403 Inorganic & Bioinorganic	18CS1-MR404 Organic & Biomolecular	18CS1-MR405 TS11
1100 - 1240	CH1&2 PLENARY 9: Biosensors Without Frontiers: Nucleic Acid Testing in Low Resource Areas Prof Lisa Hall, University of Cambridge, United Kingdom PLENARY 10: Continuous Movement of Carbon Atoms in Organic Molecules: Merry-Go-Round Reactions Prof Tamotsu Takahashi, Hokkaido University, Japan											
1400 - 1600	18CS2-CH1&2 Polymer & Materials	18CS2-CH3 Education & Public Understanding	18CS2-MR302 Analytical & Forensic Environmental S15	18CS2-MR303 SDG6	18CS2-MR304 Environmental S10	18CS2-MR305 Environmental	18CS2-MR306 SDG3	18CS2-MR401 Green Chemistry SDG7	18CS2-MR402 SDG5	18CS2-MR403 Inorganic & Bioinorganic	18CS2-MR404 Organic & Biomolecular	18CS2-MR405 TS11
1630 - 1800	18CS3-CH1&2 Polymer & Materials	18CS3-CH3 SDG2			18CS3-MR304 Polymer & Materials	18CS3-MR305 Environmental		18CS3-MR401 SDG7	18CS3-MR402 SDG5	18CS3-MR403 Inorganic & Bioinor- ganic	18CS3-MR404 Organic & Biomolecular	18CS3-MR405 TS11

Key Indication

Analytical & Forensic	— General Session
Education & Public Understanding	— General Session
Environmental	— General Session
Green Chemistry	— General Session
Inorganic & Bioinorganic	— General Session
Organic & Biomolecular	— General Session
Polymer & Materials	— General Session
S10 Symposium	— Nuclear Magnetic Resonance Spectroscopy for Environment and Sustainability
S15 Symposium	— Microplastics and Nanoplastics

S17 Symposium	— Carbon-Neutral Chemical Production via Advanced Nanocatalysis
SDG2	— Zero Hunger
SDG3	— Good Health & Well Being
SDG5	— Gender Equality
SDG6	— Clean Water & Sanitation
SDG7	— Affordable & Clean Energy
TS11	— Thematic Session - IYCN-MYCN Young Chemist Programme
TS5	— Thematic Session - Invest Sarawak

19th July 2025, Saturday - Programme Overview

IKM GOLD MEDAL AWARD LECTURE: Mesosstructured Materials Driving Innovations in Clean Energy and Environmental Sustainability, Juan Joon Ching, Universiti Malaya, Malaysia	0900 - 1000	CH1&2
PLENARY 11: Cinematic Chemistry: The Journey of Electron Microscopy from Organic Synthesis to Molecular Statistics, Prof Eiichi Nakamura, University of Tokyo, Japan	1030 - 1110	CH1&2
PLENARY 12: Single-Atom Catalysis, Prof Zhang Tao, Chinese Academy of Sciences, China	1110 - 1200	CH1&2
CLOSING CEREMONY	1200 - 1230	CH1&2