

10 YEARS OF MATSUS

Materials for Sustainable
Development Conference

MATSUS SPRING 2026 PROGRAM
BARCELONA · MARCH 23rd–27th, 2026



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CONFERENCES

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SCHEDULE AT A GLANCE

ROOMS	HOURS	MONDAY 23 rd	TUESDAY 24 th	WEDNESDAY 25 th	THURSDAY 26 th	FRIDAY 27 th	ROOMS	
AUDITORIUM		OPENING · 08:45 H				PLENARY · 09:20 H	AUDITORIUM	
	09:00 - 10:30	PLENARY & CALL				CLOSING & AWARDS		
	11:15 - 13:00	E4	E4		E3	E3		
	15:00 - 17:30							
ROOM A1	09:00 - 10:30	PLENARY (LIVESTREAM)		F1		PLENARY (LIVESTREAM)	ROOM A1	
	11:15 - 13:00	F4	F1	F2	F5	F5		
	15:00 - 17:30							
ROOM A2	09:00 - 10:30	PLENARY (LIVESTREAM)		B2	B2	PLENARY (LIVESTREAM)	ROOM A2	
	11:15 - 13:00	B1	B1	B2	B3	B3		
	15:00 - 17:30							
ROOM A3	09:00 - 10:30	PLENARY (LIVESTREAM)		G3	G2	PLENARY (LIVESTREAM)	ROOM A3	
	11:15 - 13:00	G1	G1	G3	G2	B4		
	15:00 - 17:30		G3		G2	B4		
ROOM A4	09:00 - 10:30	PLENARY (LIVESTREAM)		G6	G5	PLENARY (LIVESTREAM)	ROOM A4	
	11:15 - 13:00	G4	G4	G6	G5	F3		
	15:00 - 17:30		G6					
ROOM AQUA	09:00 - 10:30			E1	E2		ROOM AQUA	
	11:15 - 13:00		E1	E1	E2			
	15:00 - 17:30							
PORT VELL 1	09:00 - 10:30		H2	H3	H3		PORT VELL 1	
	11:15 - 13:00	H2	H2	H3	H4	H4		
	15:00 - 17:30							
PORT VELL 2	09:00 - 10:30		A2	A1	H1		PORT VELL 2	
	11:15 - 13:00	A2	A2	A1	H1			
	15:00 - 17:30		A1					
PORT VELL 3	09:00 - 10:30		A5		A6		PORT VELL 3	
	11:15 - 13:00	A5	A5	A4 *	A6	A6		
	15:00 - 17:30							
HOTEL MARÍTIMA 1	09:00 - 10:30			I3	I3		HOTEL MARÍTIMA 1	
	11:15 - 13:00			I3	I4	I4		
	15:00 - 17:30							
HOTEL MARÍTIMA 2	09:00 - 10:30			I1	I2		HOTEL MARÍTIMA 2	
	11:15 - 13:00			I1	I2	I2		
	15:00 - 17:30							
ROOM S2+3+4	09:00 - 10:30		C4	C3	C3		ROOM S2+3+4	
	11:15 - 13:00	C4	C4	C3	C1	C1		
	15:00 - 17:30							
ROOM S5+6	09:00 - 10:30		D5	C2	D4		ROOM S5+6	
	11:15 - 13:00	D5	D5	C2	D4	D4		
	15:00 - 17:30							
ROOM S9+10	09:00 - 10:30		D3	D2	D1		ROOM S9+10	
	11:15 - 13:00	D3	D3	D2	D1			
	15:00 - 17:30		D2					
ROOM S11+12	09:00 - 10:30		D6	D7	A4		ROOM S11+12	
	11:15 - 13:00	D6	D6	D7	A3	A3		
	15:00 - 17:30							
		SOCIAL ACTIVITIES · 17:00 H	POSTER SESSION · 17:30 H			POSTER SESSION · 17:30 H		
				SOCIAL DINNER · 20:00 H				

*SYMPOSIUM A4 MOVES TO ROOM S11+12 ON THURSDAY

A - PEROVSKITE AND EMERGENT PHOTOVOLTAICS

- A1** Lead-free perovskites: Fundamentals and device application.
- A2** Progress in Narrow-Bandgap Perovskites: Fundamentals and Optoelectronic Applications.
- A3** Flexible Perovskite Solar Cells: Materials, Interfaces and Stability.
- A4** Emerging Hybrid and Inorganic Solar Absorbers: Beyond ABX₃.
- A5** From halide perovskites to perovskite-inspired materials - Synthesis, Modelling and Application.
- A6** Future of Metal Halide Perovskites: Fundamental Approaches and Technological Challenges.

B - ORGANIC MATERIALS, DEVICES AND TECHNOLOGIES

- B1** Future of Organic Solar cells: What is next?
- B2** Strategies to push the efficiency and stability limits of organic photovoltaics at a multiscale.
- B3** Chemical and Electrochemical Doping of Organic Semiconductors.
- B4** Photophysics of organic semiconductors.

C - NANOCRYSTALS AND NANOMATERIALS

- C1** Structural Foundations of Nanomaterials Properties.
- C2** Advances in low-dimensional Nanocrystals: Fundamental approaches and technological perspectives.
- C3** Compositionally Complex Nanocrystals: Synthesis and Application.
- C4** Precision synthesis of nanocrystals and nanochemistry.

D - QUANTUM DOTS AND 2D MATERIALS

- D1** Colloidal QDs in visible optoelectronics: focusing on non III-V nanocrystals.
- D2** Quantum dots from III-V semiconductors - from synthesis to applications.
- D3** Chalcogenide Quantum Dots: Materials and Devices for Infrared Light Harvesting Sensing and Emission.
- D4** Synthesis and Integration of 2D Materials for Electronics, Photonics and Functional Devices.
- D5** 2D Layered Materials for Sustainable Energy Conversion and Storage.
- D6** Emerging Low-Dimensional Perovskite Emitters - Synthesis, Photophysics and Application.
- D7** Low-Dimensional Halide Perovskites - Exploring Unique Challenges and Opportunities in 0D, 1D and 2D Material.

E - CATALYSIS AND ELECTROCHEMISTRY FOR ENERGY AND TRANSFORMATION

- E1** Breaking New Bonds: Electrocatalysis for Emerging Transformations.
- E2** Critical Raw Material (CRM) Substitution in Electrochemical Technology.
- E3** Photocatalysis for solar fuel and chemical synthesis.
- E4** Photo-assisted chemical reactions: materials, characterization and mechanisms.

F - ENERGY STORAGE DEVICES

- F1** Safe Materials for Advanced Battery Systems.
- F2** Electrochemical Energy Storage for a Green Future: Innovations in Materials, Manufacturing and Recycling.
- F3** Processing and manufacturing of next generation batteries.
- F4** Discovery and Engineering of Energy Nanomaterials: From Robotics to Digital Twin.
- F5** Lithium Batteries and Beyond: From Fundamental to Materials Discovery.

G - ADVANCED MEASUREMENT AND CHARACTERIZATION TECHNIQUES

- G1** Advanced Characterization of perovskites: electrons and photons.
- G2** Monitoring the degradation mechanisms of photovoltaic devices by optoelectronic characterization.
- G3** Stability Challenges and Solutions in metal halide Perovskites materials.
- G4** In situ/operando characterization of energy-related materials with synchrotron X-ray techniques.
- G5** In situ and Operando Characterization Across Disciplines: Advanced Lab-Based Techniques for Energy Conversion Research.
- G6** Operando and Correlative Characterization of Sustainable Materials and Interfaces.

H - UNCONVENTIONAL COMPUTATION AND QUANTUM SYSTEMS

- H1** Quantum and Probabilistic Computation.
- H2** Halide perovskites for quantum technologies.
- H3** Neuromorphic Materials.
- H4** Neuromorphic devices and systems.

I - EMERGING MATERIALS AND DEVICES

- I1** Novel materials and strategies for organic bioelectronics.
- I2** Organic materials and devices for sustainable and transient electronics.
- I3** Next-Generation Photonics: Emerging Trends and Innovations in Photon Sources, Detectors, and Photonic Technologies with Halide Perovskite Materials.
- I4** Digital Discovery: From Energy Materials to Devices.

CONFERENCE OVERVIEW

	MONDAY 23 RD	TUESDAY 24 TH	WEDNESDAY 25 TH	THURSDAY 26 TH	FRIDAY 27 TH	
08:45 - 09:00 h	OPENING					
09:00 - 10:30 h	PLENARY	SYMPOSIA E4, F1, G4, B1, G1, E1, H2, A2, A5, C4, D5, D3, D6	SYMPOSIA F1, G6, B2, G3, E1, H3, A1, I3, I1, C3, C2, D2, D7	SYMPOSIA E3, A4, G5, B2, G2, E2, H3, H1, A6, I3, I2, C3, D4, D1	PLENARY	09:20 - 10:30 h
	CALL FOR SYMPOSIUM 2027					CLOSING & AWARDS
10:30 - 11:15 h	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	10:30 - 11:15 h
11:15 - 13:00 h	SYMPOSIA E4, F4, G4, B1, G1, H2, A2, A5, C4, D5, D3, D6	SYMPOSIA E4, F1, G4, B1, G1, E1, H2, A2, A5, C4, D5, D3, D6	SYMPOSIA F2, G6, B2, G3, E1, H3, A1, A4, I3, I1, C3, C2, D2, D7	SYMPOSIA E3, F5, G5, B3, G2, E2, H4, H1, A6, I4, I2, C1, D4, D1, A3	SYMPOSIA E3, F5, F3, B3, B4, H4, A6, I4, I2, C1, D4, A3	11:15 - 13:15 h
	LUNCH BREAK					LUNCH BREAK
15:00 - 17:00 h	SYMPOSIA E4, F4, G4, B1, G1, H2, A2, A5, C4, D5, D3, D6	SYMPOSIA F1, G6, E4, G3, E1, A1, A5, C4, D2	SYMPOSIA F2, G6, B2, G3, E1, H3, A4, I3, I1, C3, C2, D2, D7	SYMPOSIA E3, F5, G5, B3, G2, B4, E2, H4, H1, A6, I4, I2, C1, D4, D1, A3	SYMPOSIA F5, F3, B3, B4, A6, I4, C1, D4, A3	15:00 - 17:00 h
	SOCIAL ACTIVITIES · 17:00					POSTER SESSION · 17:30
			SOCIAL DINNER · 20:00			

COFFEE BREAK AREAS PER DAYS:

Monday: Àgora & Aqua.

From Tuesday to Thursday: Àgora & A Rooms.

Friday: Àgora + Port Vell.

ANNOUNCEMENTS IN THE AUDITORIUM

MONDAY 23RD

- Opening MATSUS26 Spring 2026 at 08:45 h, welcome from Nanoge team and general scientific organisers.
- Plenary Session: 09:00 - 10:20 h
- Call for symposia MATSUS27 Spring 10:20 - 10:30 h

FRIDAY 27TH

- Plenary Session: 09:20 - 10:00 h
- Closing and Awards Ceremony: 10:00 - 10:30 h

REGISTRATION AND INFORMATION DESK HOURS

- Monday 23rd, Tuesday 24th and Wednesday 25th, 08:00 - 17:30 h.
- Thursday 26th from 08:15 - 17:30 h.
- Friday 27th from 08:30 - 15:30 h.

DAILY SOCIAL MEDIA CONTEST

Share your experience from #MATSUS26 on social media and win daily prizes of €150.

Visit the [MATSUS26 website](#) and our social media channels to check out the contest rules.



@nanoGe_Conf



Nanoge Conferences



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CONFERENCE ACTIVITIES – 10TH ANNIVERSARY EDITION

In this edition of MATSUS, we are celebrating our 10th anniversary with a series of social and conference activities as part of the official MATSUS Conference Program.

MONDAY 23RD · 17:00 – 19:00 h

- Enjoy *xurros with chocolate* and a live performance by a *txaranga*, a traditional Spanish festive street band with wind and percussion instruments.

TUESDAY 24TH & THURSDAY 26TH · POSTER SESSIONS in Room Àgora & Aqua · 17:30 – 19:00 h

- Set up from 13:00 to 15:00h. Pick up your poster at the end of the session.
Please note that posters may only be placed during these hours.
- Cocktail and drinks included.

WEDNESDAY 25TH · 20:00h - SOCIAL DINNER



Xalet de Montjuïc. (*Avinguda Miramar, 31, Sants-Montjuïc, Barcelona*).

Remember to have your Social Dinner QR code ready!



Monday 23rd

OPENING MATSUS SPRING 2026 · 08:45 - 09:00 H		
AUDITORIUM	09:00 - 10:20	PLENARY SESSION: Maria Antonietta Loi & Dirk Guldi
	10:20 - 10:30	CALL FOR SYMPOSIA MATSUS SPRING 2027
	E4	Photo-assisted chemical reactions: materials, characterization & mechanisms
	11:15 - 12:55	Sergio Navalón, Shoubhik Das
	15:00 - 17:00	Horatiu Szalad, Oleksandr Savatieiev, Mariam Barawi
ROOM A1	F4	Discovery and Engineering of Energy Nanomaterials
	11:15 - 12:55	Andy Sode Anker, Shijing Sun
	15:00 - 16:55	Lorenzo Natale, Kourosh Darvish, Angelo Cangelosi
ROOM A2	B1	Future of Organic Solar cells: What is next?
	11:15 - 12:55	Jie Min, Alberto Privitera, Sri Harish Kumar Paleti
	15:00 - 17:00	Bryon Larson, David Beljonne, Cleber Marchiori, Larry Lueer
ROOM A3	G1	Advanced Characterization of perovskites: electrons and photons
	11:15 - 12:55	Philip Schulz, Ute Cappel
	15:00 - 17:30	Thomas Kirchartz, Rene Janssen, Dmitry Baranov
ROOM A4	G4	In situ/operando characterization of energy-related materials with synchrotron X-ray techniques
	11:15 - 13:10	Jordi Llorca, Axel Knop-Gericke
	15:00 - 17:45	Simone Raoux, Elena Magnano, Edgar Eduardo Villalobos Portillo
PORT VELL 1	H2	Halide perovskites for quantum technologies
	11:15 - 12:55	Carole Diederichs, Hendrik Utzat
	15:00 - 17:45	Kyoung-Duck Park, Brahim Lounis, Grigorios Itkos, Ilya Akimov, Ron Tenne

A2	Progress in Narrow-Bandgap Perovskites		PORT VELL 2
	11:15 - 13:10	Laura Herz, Dewei Zhao, Hin-Lap (Angus) Yip	
	15:00 - 17:15	Rene Janssen, Shuaifeng Hu, Robert Westbrook, Chieh-Ting Lin	
A5	From halide perovskites to perovskite-inspired materials		PORT VELL 3
	11:15 - 12:55	Saiful Islam, Edoardo Mosconi	
	15:00 - 17:15	Petra Cameron, Andrea Listorti, Jovana Milic, Iván Mora-Seró	
C4	Precision synthesis of nanocrystals and nanochemistry		ROOM S2+3+4
	11:15 - 12:40	Liberato Manna, Jianyu Yuan	
	15:00 - 15:45	Oral Contributions	
D5	2D Layered Materials for Sustainable Energy Conversion and Storage		ROOM S5+6
	11:15 - 12:55	Mengjiao Wang, Menny Shalom	
	15:00 - 16:45	Filip Podjaski, Giacomo Filippini, Ivo Teixeira	
D3	Chalcogenide Quantum Dots		ROOM S9+10
	11:15 - 12:55	Gerasimos Konstantatos, Jung-Yong Lee, Se-Woong Baek	
	15:00 - 17:00	Maria Antonietta Loi, Emmanuel Lhuillier, Zeke Liu	
D6	Emerging Low-Dimensional Perovskite Emitters		ROOM S11+12
	11:15 - 12:55	Maksym Kovalenko, Yitong Dong	
	15:00 - 16:45	Robert Hoyer, Alexander Urban, Lakshminarayana Polavarapu	

SOCIAL ACTIVITY · 17:00 H

PROGRAM & TALK SCHEDULER

The agenda above lists the Invited Speakers. To access the complete program, including oral presentations, and to schedule your talks, please use the following codes:



PROGRAM



TALK SCHEDULER

Please refer to the conference website for the updated version of the program.

PLENARY SPEAKERS



Maria Antonietta Loi
(09:00 - 09:40 h)

The Zernike Institute for Advanced Materials, University of Groningen.

Plenary Presentation: "Sn Halide Perovskites: The Next Big Thing We Need to Focus On?".



Dirk Guldi
(09:40 - 10:20 h)

Friedrich-Alexander University Erlangen-Nürnberg.

Plenary Presentation: "Materials for Adaptive Light Management".

Tuesday 24th

AUDITORIUM	E4	Photo-assisted chemical reactions: materials, characterization & mechanisms
	09:00 - 10:30	Rossella Greco
	11:15 - 13:10	Carolina Gimbert Suriñach, Valérie Keller
ROOM A1	F1	Safe Materials for Advanced Battery Systems
	08:50 - 10:30	Nuria Tapia Ruiz, Wei Yu, Minshen Zhu
	11:15 - 13:15	Maria Lukatskaya, Svetlana Menkin, Aigerim Omirkhan
	15:00 - 17:30	Jing Wen Weng, Xu Hou, Yang Xu
ROOM A2	B1	Future of Organic Solar cells: What is next?
	09:00 - 10:30	Antoine Bousquet, Mariano Campoy Quiles, Jenny Nelson
	11:15 - 13:25	Wouter Maes, Hin-Lap (Angus) Yip, Pavel Troshin
ROOM A3	G1	Advanced Characterization of perovskites: electrons and photons
	09:00 - 10:30	David Fenning, Miguel Anaya
	11:15 - 13:25	Irina Skvortsova, Salvatore Valastro, Frédéric Sauvage, Angelica Simbula
	G3	Stability Challenges and Solutions in metal halide Perovskites materials
	14:50 - 16:50	Dmitry Baranov, Loreta Muscarella
ROOM A4	G4	In situ/operando characterization of energy-related materials with synchrotron X-ray techniques
	09:00 - 10:30	Montse Casas Cabanas, Laura Simonelli
	11:15 - 13:10	Zhi Liu, Kelsey Stoerzinger
	G6	Operando & Correlative Characterization of Sustainable Materials & Interfaces
	14:50 - 17:45	Daniel Martin Yerga, Evan Wenbo Zhao, Krishnaveni Palanisamy
ROOM AQUA	E1	Breaking New Bonds: Electrocatalysis for Emerging Transformations
	08:50 - 10:30	Thomas Jaramillo
	11:15 - 13:00	Federico Calle-Vallejo, Amanda C. Garcia
	15:00 - 17:15	Alexander Bagger, Hui Luo
PORT VELL 1	H2	Halide perovskites for quantum technologies
	09:00 - 10:30	Simon Thebaud, Ivan Infante
	11:15 - 13:10	Yitong Dong, Maryna Bodnarchuk, Sergio Brovelli

A2	Progress in Narrow-Bandgap Perovskites	
	09:00 - 10:30	Maria Antonietta Loi, Meng Li
	11:15 - 12:55	Annalisa Bruno, Silver-Hamill Turren-Cruz, Luis Huerta Hernandez
A1	Lead-free perovskites: Fundamentals and device application	
	14:50 - 17:15	Song Jin, Lorenzo Malavasi
A5	From halide perovskites to perovskite-inspired materials	
	09:00 - 10:30	Eline Hutter, Sonia R. Raga
	11:15 - 13:00	Silvia Motti, Janine George
	15:00 - 16:25	Carlo Andrea Riccardo Perini
C4	Precision synthesis of nanocrystals and nanochemistry	
	09:00 - 10:30	Loredana Protesescu, Janet Macdonald, Toshiharu Teranishi
	11:15 - 13:00	Zeger Hens, Haiyan Qin
	15:00 - 16:10	Oral Contributions
D5	2D Layered Materials for Sustainable Energy Conversion and Storage	
	09:00 - 10:30	Minghao Yu, Martin Oschatz, Simon Fleischmann
	11:15 - 13:10	Silvio Osella, Dirk Guldi
D3	Chalcogenide Quantum Dots	
	09:00 - 10:30	Ayaskanta Sahu, Kwang Seob Jeong, Robert Hoye
	11:15 - 12:25	Wanli Ma
D2	Quantum dots from III-V semiconductors - from synthesis to applications	
	14:50 - 16:30	Jong-Soo Lee, Loredana Protesescu
D6	Emerging Low-Dimensional Perovskite Emitters	
	09:00 - 10:30	Yana Vaynzof, Sascha Feldmann, Dawei Di
	11:15 - 12:40	Maria Chamorro, Tze-Chien Sum

PORT VELL 2

PORT VELL 3

ROOM S2+3+4

ROOM S5+6

ROOM S9+10

ROOM S11+12

POSTER SESSION · ÁGORA & AQUA ROOM
17:30 - 19:00 H (SET UP FROM 13:00 TO 15:00H)

Wednesday 25th

ROOM A1	F1	Safe Materials for Advanced Battery Systems
	09:00 - 10:40	Simon Fleischmann, Qiong Cai, Francesco Ciucci
	F2	Electrochemical Energy Storage for a Green Future
	11:15 - 12:55	Ungyu Paik, Xiaohui Ning
	15:00 - 17:25	Min-Sik Park, Hansu Kim, Haomiao Li, Rob Somerville
ROOM A2	B2	Strategies to push the efficiency and stability limits of organic photovoltaics at a multiscale
	08:50 - 10:30	Eva M. Herzig, Chang-Qi Ma, Gregory Welch
	11:15 - 12:45	Andreas Distler, Harald W. Ade
	15:00 - 17:15	Thomas Kirchartz, Carsten Deibel, Koen Vandewal
ROOM A3	G3	Stability Challenges and Solutions in metal halide Perovskites materials
	09:00 - 10:30	Ivan Infante, Joey Luther, Rafael Abargues
	11:15 - 12:30	Fengning Yang
	15:00 - 16:10	Stefania Cacovich
ROOM A4	G6	Operando & Correlative Characterization of Sustainable Materials & Interfaces
	09:15 - 10:30	Esther Alarcon-Llado, Stacy Moore
	11:15 - 13:00	Johanna Eichhorn, Edgar Ventosa, Valeria Blanco
	15:00 - 16:40	Shibabrata Basak, Felix Gunkel, Hans-Georg Steinrück
ROOM AQUA	E1	Breaking New Bonds: Electrocatalysis for Emerging Transformations
	09:00 - 10:30	Marta Hatzell, Ruud Kortlever
	11:15 - 13:15	F. Pelayo Garcia de Arquer, Yu Katayama
	15:00 - 17:10	Samira Siahrostami, Kelsey Stoerzinger
PORT VELL 1	H3	Neuromorphic Materials
	08:50 - 10:30	Elliot Fuller, Sami Oukassi, Sabina Spiga
	11:15 - 13:00	Jordi Sort, Liza Herrera Diez
	15:00 - 17:00	Regina Dittmann, Ignasi Fina, Mireia Bargallo Gonzalez

A1	Lead-free perovskites: Fundamentals and device application	PORT VELL 2	
	09:00 - 10:30		Qing Shen, Lakshminarayana Polavarapu, Junsheng Chen
	11:15 - 13:25		Pablo P. Boix, Daniele Meggiolaro
A4	Emerging Hybrid and Inorganic Solar Absorbers: Beyond ABX3	PORT VELL 3	
	11:15 - 12:25		Laura Herz
	15:00 - 17:00		Andrea Crovetto, Claudio Cazorla, Grandhi Murthy
I3	Next-Generation Photonics	HOTEL MARÍTIMA 1	
	08:50 - 10:30		Giovanni Vescio, Cédric Mayer
	11:15 - 12:45		Eric Gros-Daillon, Junaid Khan
	15:00 - 17:30		Agustín Mihi, Giuseppe Ammirati, Géraud Delport
I1	Novel materials and strategies for organic bioelectronics	HOTEL MARÍTIMA 2	
	08:50 - 10:30		Luca Beverina, Vito Vurro
	11:15 - 13:00		Marta Mas-Torrent, Esma Ismailova, Adrica Kyndiah
	15:00 - 16:40		Eleni Stavrinidou
C3	Compositionally Complex Nanocrystals: Synthesis and Application	ROOM S2+3+4	
	08:50 - 10:30		Richard Robinson, Verena Streibel
	11:15 - 12:30		Rebecca Pittkowski, Andreu Cabot
	15:00 - 17:15		Raymond Schaak, Shalini Singh, Ifan Stephens, Julia Wiktor
C2	Advances in low-dimensional Nanocrystals	ROOM S5+6	
	08:50 - 10:30		Sohee Jeong, Maksym Kovalenko, Gerasimos Konstantatos
	11:15 - 13:15		Emmanuel Lhuillier, Emmanuelle Deleporte, Qing Shen
	15:00 - 17:55		Sascha Feldmann, Mark Wilson, Francesco Di Stasio, Zeger Hens
D2	Quantum dots from III-V semiconductors - from synthesis to applications	ROOM S9+10	
	09:00 - 10:30		Juliette Zito, Arjan Houtepen
	11:15 - 12:45		Wenya Song, Nayoun Won
	15:00 - 16:40		Francesco Di Stasio, Pieter Geiregat
D7	Low-Dimensional Halide Perovskites	ROOM S11+12	
	08:50 - 10:30		Song Jin, Yifan Dong
	11:15 - 12:45		Gabriele Raino, Selina Olthof, Jovana Milic
	15:00 - 16:55		Simon Kahmann, Simon Thebaud, Michał Baranowski

SOCIAL DINNER · 20:00 H

Thursday 26th

AUDITORIUM	E3	Photocatalysis for solar fuel and chemical synthesis
	08:50 - 10:30	Ludmilla Steier, Markus Niederberger
	11:15 - 13:00	Katherine Villa, Ronen Gottesman
	15:00 - 17:15	Liberato Manna, Iván Mora-Seró, Raquel Galian
ROOM A1	F5	Lithium Batteries and Beyond: From Fundamental to Materials Discovery
	11:15 - 12:55	Jinhua Sun, Juan Carlos Gonzalez-Rosillo
	15:00 - 17:15	Maria Lukatskaya, Jędrzej Morzy, Matthias T. Elm, Federico Baiutti
ROOM A2	B2	Strategies to push the efficiency and stability limits of organic photovoltaics at a multiscale
	09:00 - 10:40	Moritz Riede, Jie Min
	B3	Chemical and Electrochemical Doping of Organic Semiconductors
	11:15 - 12:55	Martijn Kemerink, Jenny Nelson
	15:00 - 16:45	Simone Fabiano, Francisco Molina-Lopez, Martin Brinkmann
ROOM A3	G2	Monitoring the degradation mechanisms of photovoltaic devices by optoelectronic characterization
	08:50 - 10:30	Luis Ono, Agustin O. Alvarez, Juan Bisquert
	11:15 - 13:15	Wolfgang Tress, Pilar López Varo, Marko Topic, Martin Stollerfoht
	15:00 - 16:25	Sandheep Ravishankar, Giles Richardson
	B4	Photophysics of organic semiconductors
	16:35 - 17:30	Carsten Deibel
ROOM A4	G5	In situ and Operando Characterization Across Disciplines
	08:50 - 10:30	Gertjan Koster, Serhiy Cherevko
	11:15 - 13:15	Artem Bakulin, Stefan Weber, Corina Andronescu, Thomas Lunkenbein
	15:00 - 16:25	María Escudero-Escribano, Monica Burriel
ROOM AQUA	E2	Critical Raw Material (CRM) Substitution in Electrochemical Technology
	08:50 - 10:30	Özlem Özcan Sandıkcıoğlu, Olga Kasian, Montse Casas Cabanas
	11:15 - 13:00	Chang Hyuck Choi, Yi-Hsuan Wu
	15:00 - 17:10	Paul Poodt, Soren Scott
PORT VELL 1	H3	Neuromorphic Materials
	09:00 - 10:40	Francesca Borghi, Qing Cao
	H4	Neuromorphic devices and systems
	11:15 - 13:10	Gianluca Milano, Susanne Hoffmann-Eifert
	15:00 - 17:15	Hongrong Hu, Takashi Tsuchiya, Haizheng Zhong

H1	Quantum and Probabilistic Computation
08:50 - 10:30	Elia Bertoldo, Joel Wang, Moira Hocevar
11:15 - 13:00	Victor Lopez Dominguez, Wooseok Choi, Ryoichi Ishihara
15:00 - 16:25	Adrian Bachtold, Paloma Machain

PORT
VELL 2

A6	Future of Metal Halide Perovskites
08:50 - 10:30	Lioz Etgar, Daniele Cortecchia, Artem Musiienko
11:15 - 13:00	Trystan Watson, Tom Macdonald
15:00 - 16:15	Yana Vaynzof, Dimitra Georgiadou

PORT
VELL 3

I3	Next-Generation Photonics
09:00 - 10:40	Adélio Mendes, Zhuoying Chen, Hernán Míguez
I4	Digital Discovery: From Energy Materials to Devices
11:15 - 13:10	Corsin Battaglia, Keisuke Nagato
15:00 - 17:30	Kim Jelfs, Taro Hitosugi, Sebastian Risse, Vladislav Mints

HOTEL
MARÍTIMA 1

I2	Organic materials and devices for sustainable and transient electronics
08:50 - 10:30	Danick Briand, Bob C. Schroeder
11:15 - 13:15	Valerio Francesco Annese, Eleni Stavrinidou, Vivian Feig
15:00 - 16:45	Luisa Petti, Gerardo Hernandez-Sosa

HOTEL
MARÍTIMA 2

C3	Compositionally Complex Nanocrystals: Synthesis and Application
09:00 - 10:10	Mirabbos Hojamberdiev, Daniel Prochowicz
C1	Structural Foundations of Nanomaterials Properties
11:15 - 13:10	Mathieu Kociak, Wiebke Albrecht, Philipp Pelz
15:00 - 16:45	Simon Billinge, Raymond Schaak, Ivan Zaluzhnyy

ROOM
S2+3+4

D4	Synthesis and Integration of 2D Materials for Electronics, Photonics and Functional Devices
08:50 - 10:30	Evgeniya Kovalska, Andreia T Pereira
11:15 - 13:00	Jesús González-Julián, Alessandro Molle, Robert Kudrawiec
15:00 - 17:30	Zdenek Sofer, Vojtech Kundrat, Andres Castellanos-Gomez, B. Layla Mehdi

ROOM
S5+6

D1	Colloidal QDs in visible optoelectronics: focusing on non III-V nanocrystals
08:50 - 10:30	Mengxia Liu, Hilmi Volkan Demir, Jiwoong Yang
11:15 - 13:15	Himchan Cho, Jong Kuy Kim, Young-Hoon Kim
15:00 - 17:25	Zhijun Ning, Moon Kee Choi, Seong-Yong Cho, Yohan Kim

ROOM
S9+10

A4	Emerging Hybrid and Inorganic Solar Absorbers: Beyond ABX3
09:00 - 10:40	Matthew Rosseinsky, Marina Filip, Jakob Möbs
A3	Flexible Perovskite Solar Cells: Materials, Interfaces and Stability
11:15 - 13:00	Luigi Angelo Castriotta, Jangwon Seo
15:00 - 16:45	Vanira Trifiletti, Shun-Wei Liu, Nathan Hill

ROOM
S11+12

POSTER SESSION · ÁGORA & AQUA ROOM
17:30 - 19:00 H (SET UP FROM 13:00 TO 15:00H)

Friday 27th

AUDITORIUM	09:20 - 10:00	PLENARY SESSION: Peidong Yang
	CLOSING & AWARDS · 10:00	
ROOM A1	E3	Photocatalysis for solar fuel and chemical synthesis
	11:15 - 13:10	Jingshan Luo, Maria Vittoria Dozzi
ROOM A2	F5	Lithium Batteries and Beyond: From Fundamental to Materials Discovery
	11:15 - 13:00	Francesco Ciucci, Alexey Kopusov, Jože Moškon
ROOM A3	B3	Chemical and Electrochemical Doping of Organic Semiconductor
	11:15 - 13:00	Sabine Ludwigs, Esther Barrena, Koen Vandewal
ROOM A4	B4	Photophysics of organic semiconductors
	11:15 - 13:00	Chu Yen Ho, Xinhui Lu, Hyojung Cha
PORT VELL 1	H4	Neuromorphic devices and systems
	11:15 - 13:25	Juan Bisquert, Michele Giugliano Paolo Milani, Luisa Petti

A6	Future of Metal Halide Perovskites		PORT VELL 3
	11:15 - 12:45	Nripan Mathews	
I4	Digital Discovery: From Energy Materials to Devices		HOTEL MARITIMA 1
	11:15 - 13:15	Jun Jiang, Benjamin Moss	
I2	Organic materials and devices for sustainable and transient electronics		HOTEL MARITIMA 2
	15:00 - 16:55	Paola Delli Veneri	
C1	Structural Foundations of Nanomaterials Properties		ROOM S2+3+4
	15:00 - 17:40	Ali Shayesteh, Samuel Cooper, Matthias Arenz, Ryo Tamura	
D4	Synthesis and Integration of 2D Materials for Electronics, Photonics and Functional Devices		ROOM S5+6
	11:15 - 13:00	Laure Kayser, Jadranka Travas-Sejdic, Almudena Rivadeneyra	
A3	Flexible Perovskite Solar Cells: Materials, Interfaces and Stability		ROOM S11+12
	11:15 - 13:00	Emil Bozin, Sean Collins, Yaşar Krysiak	
A3	Flexible Perovskite Solar Cells: Materials, Interfaces and Stability		ROOM S11+12
	15:00 - 16:10	Claudia A. M. Schrama, Carlos Escudero	
A3	Flexible Perovskite Solar Cells: Materials, Interfaces and Stability		ROOM S11+12
	11:15 - 12:45	Lena Yadgarov	
A3	Flexible Perovskite Solar Cells: Materials, Interfaces and Stability		ROOM S11+12
	15:00 - 16:40	Christoph Gadermaier, Silvio Osella	
A3	Flexible Perovskite Solar Cells: Materials, Interfaces and Stability		ROOM S11+12
	11:15 - 12:45	Yaoguang Rong, Sandy Sanchez, Soyeon Kim	
A3	Flexible Perovskite Solar Cells: Materials, Interfaces and Stability		ROOM S11+12
	15:00 - 16:40	Jiantao Wang, Mingzhen Liu, Trystan Watson	

PLENARY SPEAKERS



Peidong Yang · 09:20 - 10:00 h

University of California, US.

Plenary Presentation: "Liquid Sunlight®, Made from CO₂".

Call for Symposia **2027** is opened!

MATSUS
SPRING

Materials for Sustainable
Development Conference

#MATSUS27
Barcelona, Spain
April, 2027

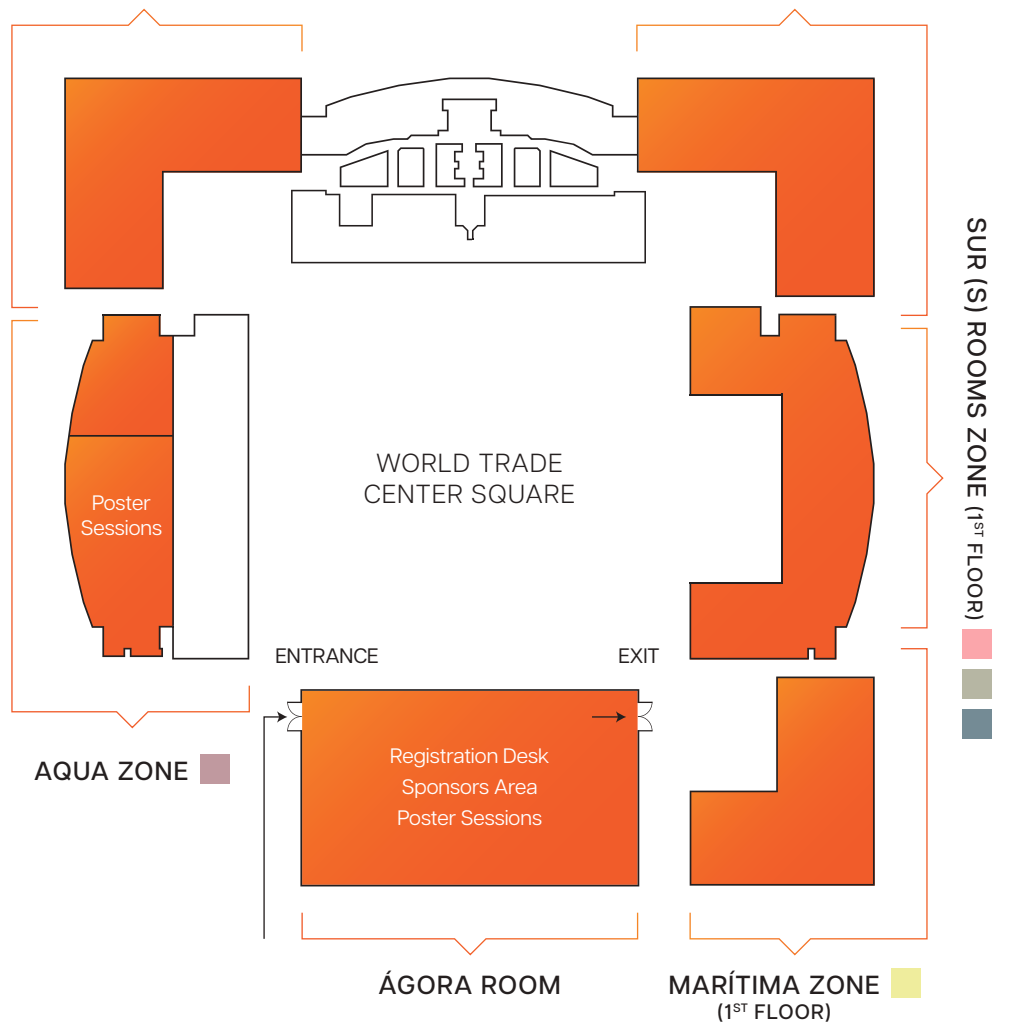


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Send your proposal via the event website: nanoge.org/MATSUSSpring27
Don't miss the opportunity to join us!

PORT VELL ZONE

AUDITORIUM (GROUND FLOOR)
A ROOMS ZONE (1ST FLOOR)



(Access via the stairs in the Sur zone.)

CLUSTERS
MATSUS 2026

- **A** - Perovskite and Emergent Photovoltaics.
- **B** - Organic Materials, Devices and Technologies.
- **C** - Nanocrystals and Nanomaterials.
- **D** - Quantum Dots and 2D Materials.
- **E** - Catalysis and Electrochemistry for Energy and Transformation.
- **F** - Energy Storage Devices.
- **G** - Advanced Measurement and Characterization Techniques.
- **H** - Unconventional Computation and Quantum Systems.
- **I** - Emerging Materials and Devices.

PORT VELL ZONE:

- **A1:** Port Vell 2
- **A2:** Port Vell 2
- **A4:** Port Vell 3 (Wednesday)
- **A5:** Port Vell 3
- **A6:** Port Vell 3
- **H1:** Port Vell 2
- **H2:** Port Vell 1
- **H3:** Port Vell 1
- **H4:** Port Vell 1

AQUA ZONE:

- **E1:** Room Aqua
- **E2:** Room Aqua

AUDITORIUM:

Plenary Session on Monday
23rd of March and Friday 27th

- **E3:** Auditorium Parallel Session
- **E4:** Auditorium Parallel Session

MARÍTIMA ZONE:

- **I1:** Hotel Marítima 2
- **I2:** Hotel Marítima 2
- **I3:** Hotel Marítima 1
- **I4:** Hotel Marítima 1

A ROOMS ZONE:

- **B1:** Room A2
- **B2:** Room A2
- **B3:** Room A2
- **B4:** Room A3
- **F1:** Room A1
- **F2:** Room A1
- **F3:** Room A4
- **F4:** Room A1
- **F5:** Room A1
- **G1:** Room A3
- **G2:** Room A3
- **G3:** Room A3
- **G4:** Room A4
- **G5:** Room A4
- **G6:** Room A4

SUR (S) ROOMS ZONE:

- **A3:** Room S11+12
- **A4:** Rooms S11+12 (Thursday)
- **C1:** Room S2+3+4
- **C2:** Room S5+6
- **C3:** Room S2+3+4
- **C4:** Room S2+3+4
- **D1:** Room S9+10
- **D2:** Room S9+10
- **D3:** Room S9+10
- **D4:** Room S5+6
- **D5:** Room S5+6
- **D6:** Room S11+12
- **D7:** Room S11+12

H2Future

The Future of Hydrogen: Science,
Applications and Energy Transition
27th - 30th April, 2026 · IBIZA, SPAIN

HYBRID & ORGANIC
HOPV
PHOTOVOLTAICS

Hybrid & Organic
Photovoltaics Conference
18th - 20th, May · 2026 - Uppsala, Sweden

NIPHO

Nanoge International Conference on
PEROVSKITE THIN FILM
PHOTOVOLTAICS AND
PEROVSKITE PHOTONICS
AND OPTOELECTRONICS
Pavia, Italy · 08 - 09th, June, 2026

HYPE²⁰²⁶

Hybrid and Perovskite materials for energy,
lighting, sensing and computing
22nd to 24th June, 2026 · ATHENS, Greece

Neuronics²⁶

Seoul, South Korea · #Neuronics

8th - 10th
September, 2026

EMLEM²⁶

International Conference on
Emerging Light
Emitting Materials

BALANCE
CONFERENCE

Halkidiki, Greece · 21st - 23rd September, 2026

MATSUS

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Materials for Sustainable Development Conference



#MATSUS26

Mallorca, Spain

26th - 30th October, 2026

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