

XXII International Workshop on Low-Energy Positron and Positronium Physics

XXIV International Symposium on Electron-Molecule Collisions and Swarms

August 7-10, 2025
Matsue, Japan



Contact:

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<https://www-user.yokohama-cu.ac.jp/~tachi/posmol2025/>

Welcome to POSMOL2025

It is our pleasure to invite you to participate in POSMOL 2025. The conference will be held in Matsue, Japan, on August 8-10, 2025, starting with the Welcome Reception on Thursday evening August 7, 2025.

The POSMOL conference covers a wide range of research topics related to positron, electron, positronium, and antimatter interactions with particles, atoms, molecules, and complex systems, and related subjects. The meeting will continue the tradition of a scientific forum at which a diverse group of scholars from around the world will have an opportunity to share their theoretical and experimental findings, ideas, innovations, and methodologies through formal and informal discussions to advance scientific knowledge and understanding of the fundamental, collisional interactions.



International Advisory Committee

Positron

Dermot Green (UK) **Co-chair**
Dmitry Fursa (Australia)
Takuma Yamashita (Japan)
Alessandra Souza Barbosa (Brazil)
Eva Stenson (Germany)
Dirk Peter van der Werf (UK)

Electron

Jimena Gorfinkiel (UK) **Co-chair**
Dragana Maric (Serbia)
Roman Ćurik (Czech Republic)
Romarly da Costa (Brazil)
Janina Kopyra (Poland)
Paulo Limão-Vieira (Portugal)
Sylvia Ptasinska (USA)
Kohki Satoh (Japan)
Ronald D. White (Australia)

Local Organizing Committee

Positron

Masanori Tachikawa (Yokohama City Univ.) **Co-chair**
Akira Ishida (AIST)
Yasushi Kino (Tohoku Univ.)
Koji Michishio (AIST)
Yasuyuki Nagashima (Tokyo Univ. of Science)
Yugo Nagata (Tokyo Univ. of Science)
Takuma Yamashita (Tohoku Univ.)

Electron

Masashi Kitajima (Science Tokyo) **Co-chair**
Masamitsu Hoshino (Sophia Univ.)
Yasuhiro Sakai (Toho Univ.)
Kohki Satoh (Muroran Institute of Tech.)
Hajime Tanuma (Tokyo Metropolitan Univ.)

Program

PL – plenary talks (40 min + 5 min discussion)
J – invited talks at joint sessions (25 min + 5 min discussion)
E, P – invited talks at two parallel sessions (25 min + 5 min discussion)
HT – hot topics (15 min including discussion)

Time JST	THURSDAY August 7	FRIDAY August 8	SATURDAY August 9	SUNDAY August 10
8 AM		Opening		
9 AM		PL1	PL2	PL4
10 AM		J1	J6	J11
		J2	J7	
11 AM		E1 P1	E3 P4	J12
		E2 P2	E-HT8 P-HY6 E-HT9 P-HY7	J13
12 PM		E-HT1 P3 E-HT2	E-HT10 P-HT8	Closing
1 PM		Lunch	Lunch	Lunch & Adjourn
2 PM		J3	PL3	Gustavo Garcia's workshop
		J4	Group photo	
3 PM		J5	E4 P5 E-HT11 P-HY9 E-HT12 P-HY10	
4 PM		E-HT3 P-HT1 E-HT4 P-HT2 E-HT5 P-HT3 E-HT6 P-HT4 E-HT7 P-HT5	J8	
			J9	
5 PM		Japanese Tea Ceremony	J10	
6 PM	Registration & Welcome Reception			
7 PM		Poster Session	Conference Dinner	
8 PM				
9 PM				

Registration & Welcome Reception:

- 5:00 PM – 8:00 PM on Aug 7
at Kunibiki Messe (Small Hall, Room B)

Japanese Tea Ceremony:

- 5:30 PM – 6:00 PM on Aug 8 at Room A

Poster Session:

- 6:00 PM – 8:00 PM on Aug 8 at Room A
- Poster board : 120 cm (width) × 210 cm (height)

Conference Dinner:

- 6:30 PM – 9:00 PM on Aug 9 at Yuushien Garden

Workshop in honour of Professor Gustavo Garcia:

- 2:00 PM – 6:00 PM on Aug 10 at Room A

Speakers

Plenary Speakers

Ann Orel (USA)
Marcio Varella (Brazil)
Sylvia Ptasinska (USA)
Yasuhiko Sentoku (Japan)

Invited Speakers

Joint Session

Sasa Dujko (Serbia)
Koji Michishio (Japan)
Chris Greene (USA)
April Cridland Mathad (Switzerland)
Martin Cizek (Czech Republic)
Fabris Kossoski (France)
Nicolas Sisourat (France)
Monica Mendes (Portugal)
Gleb Gribakin (UK)
Pauline Comini (France)
Adam Deller (Germany)
Greg Boyle (Australia)
Stephan Denifl (Austria)

Electron-Molecule Collisions and Swarms

Ana Isabel Lozano (France)
Vaibhav Prabhudesai (India)
Barbora Kocábková (Czech Republic)
Dale Muccignat (Australia)

Low-Energy Positron and Positronium Physics

Andres Reyes (Colombia)
Sandra J. Ward Quintanilla (USA)
Soumen Ghosh (India)
Yugo Nagata (Japan)
Dan Murtagh (Austria)

Gustavo Garcia’s Workshop

Paulo Limão-Vieira (Portugal)
Alexander Dorn (Germany)
Masamitsu Hoshino (Japan)
Ron White (Australia)
Jimena Gorfinkel (UK)
Steve Buckman (Australia)
Masashi Kitajima (Japan)
Dan Slaughter (USA)
Martina Fuss (Austria)
Gustavo García (Spain)

Registration Fees and Inclusions

	Before June 30, 2025	After July 1, 2025
Regular	40,000 yen	50,000 yen
Trainee	20,000 yen	30,000 yen
Accompanying Person	15,000 yen	20,000 yen

Regular and Trainee:

- Conference materials
- Welcome reception, Japanese Tea Ceremony, and banquet
- 3 lunches and coffee breaks

Accompanying Person:

- Welcome reception, Japanese Tea Ceremony, and banquet

After July 21, registration will be accepted at the POSMOL2025 conference (on-site) with only Japanese yen.

Papers

We are delighted to invite all participants to submit papers to the Topical Collection of the European Physical Journal D (EPJ D) on "Perspectives and Recent Advances in Electron, Swarms, Positron and Positronium Physics".

Guest Editors:

Paulo Limão-Vieira, Márcio Bettega,
Dragana Marić, Masanori Tachikawa,
Marco Lima and David B. Cassidy

Deadline for submission: December 15, 2025

Venue

Kunibiki Messe (Shimane Prefectural Convention Center), 1 Chome-2-1 Gakuenminami, Matsue, Shimane



- Room A: Multipurpose Hall
- Room B: Small Hall

<https://www.kunibikimesse.jp/en/>



Matsue City:

Matsue, the capital of Shimane Prefecture, is a city rich in history, culture, and breathtaking scenery. For the participants of this International Conference and their families, Matsue City will provide a rich experience that will make your stay unforgettable.



Sightseeing in Matsue



A short trip from Matsue



Local Cuisine in Matsue

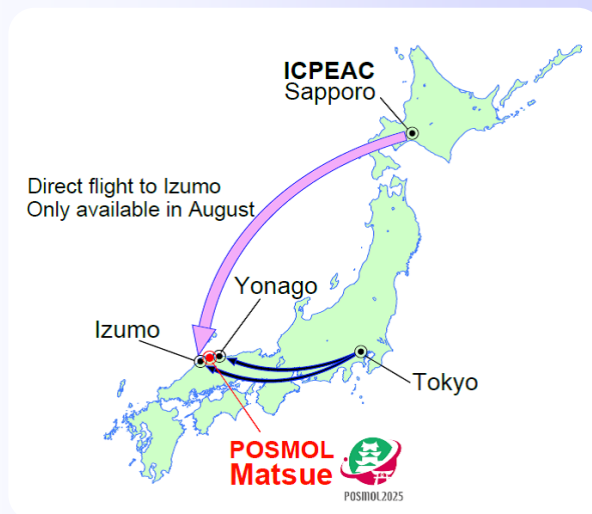
Travel

By plane:

There are two airports (Yonago and Izumo) available to get to Matsue city. Visit LINK for the information how to travel to Matsue. For ICPEAC 2025 participants, it is noted that direct one flight (JAL) a day from Sapporo (ICPEAC) to Izumo is available only on Sundays, Mondays, Wednesdays and Fridays in August.



<https://www.visit-matsue.com/access>



By train:

You can visit Matsue from Osaka or Tokyo via Okayama on the Shinkansen and JR lines.

- **Tokyo sta.** → (Shinkansen: Nozomi 3h20min.) → Okayama sta. → (JR Line Ltd. Express Yakumo 2h40min.) → Matsue sta.
- **Osaka sta.** → (JR Line 5min.) → Shin-Osaka → (Shinkansen: Nozomi 50min.) → Okayama sta. → (JR Line Ltd. Express Yakumo 2h40min.) → Matsue sta.



Accommodation

Early reservations are recommended.
The JTB reservation site below is convenient.

POSMOL2025 Official Information:

<https://amarys-jtb.jp/POSMOL2025/>



JAPANiCan.Com:

[JAPANiCan.Com For Matsue](https://japanican.com/matsue)

[JAPANiCan.Com For Izumo](https://japanican.com/izumo)

Supporters



Grant-in-Aid for Scientific Research (S) (Spin-polarized positron beam)
Grant-in-Aid for Transformative Research Areas (A) (Quantum matter science)
Grant-in-Aid for Scientific Research(A) (Positronium-graphene collision)
Japanese Positron Science Society
The Atomic Collision Society of Japan