

CONFERENCE PROGRAM

**2025 10th International Conference on
FRONTIERS OF SIGNAL PROCESSING**



**The 2025 International Conference on
IMAGE PROCESSING AND ARTIFICIAL INTELLIGENCE**

September 10-12, 2025 | Paris, France

Table of Content

● Welcome Message	3
● Onsite Conference Information	4
● Online Conference Information.....	5
● September 10 Schedule	6
● September 11 Schedule	7
● September 12 Schedule	9
● Details of Keynote Speakers	10
Frederic Dufaux	11
Ali Mohammad-Djafari	12
● Details of Invited Speakers	
San Gultekin	11
Sergo Shavgulidze.....	12
● Onsite Session 1	13
● Onsite Session 2.....	17
● Onsite Session 3.....	21
● Onsite Session 4.....	26
● Online Session 1.....	30
● Online Session 2.....	
● Online Session 3.....	

Welcome Message

we are pleased to welcome you to 2025 10th International Conference on Frontiers of Signal Processing (ICFSP 2025) and the 2025 International Conference on Image Processing and Artificial Intelligence (IPAI 2025), held in Paris, France, during September 10-12, 2025.

ICFSP 2025 and IPAI 2025 invite authors to submit papers on different aspects of signal processing, image processing and artificial intelligence. Key areas of interest include, but are not limited to, image analysis and computational models, digital image processing and multimedia applications, next generation communication systems and signal processing.

The conferences aim to provide an interactive platform for professionals to learn about cutting-edge academic and industrial trends, share the latest scientific research and technological achievements, and discuss innovative ideas and methods. The goal is to elevate academic research and industrial application levels, supporting global initiatives around technological transformation. The conference seeks to promote technology research, development, and application both locally and internationally.

We are profoundly grateful to everyone who has helped make this event possible, including the respected authors, the invited speakers, and the peer reviewers. Special thanks also go to the conference committees for their dedication throughout the planning and execution of the conference.

We hope all participants will benefit from this event. Your contributions are essential in advancing the frontiers of knowledge and technology.

Wishing you a successful and inspiring conference experience at ICFSP 2025 and IPAI 2025!

ICFSP 2025 & IPAI 2025
Conference Committee

Onsite Conference Information

Conference Venue

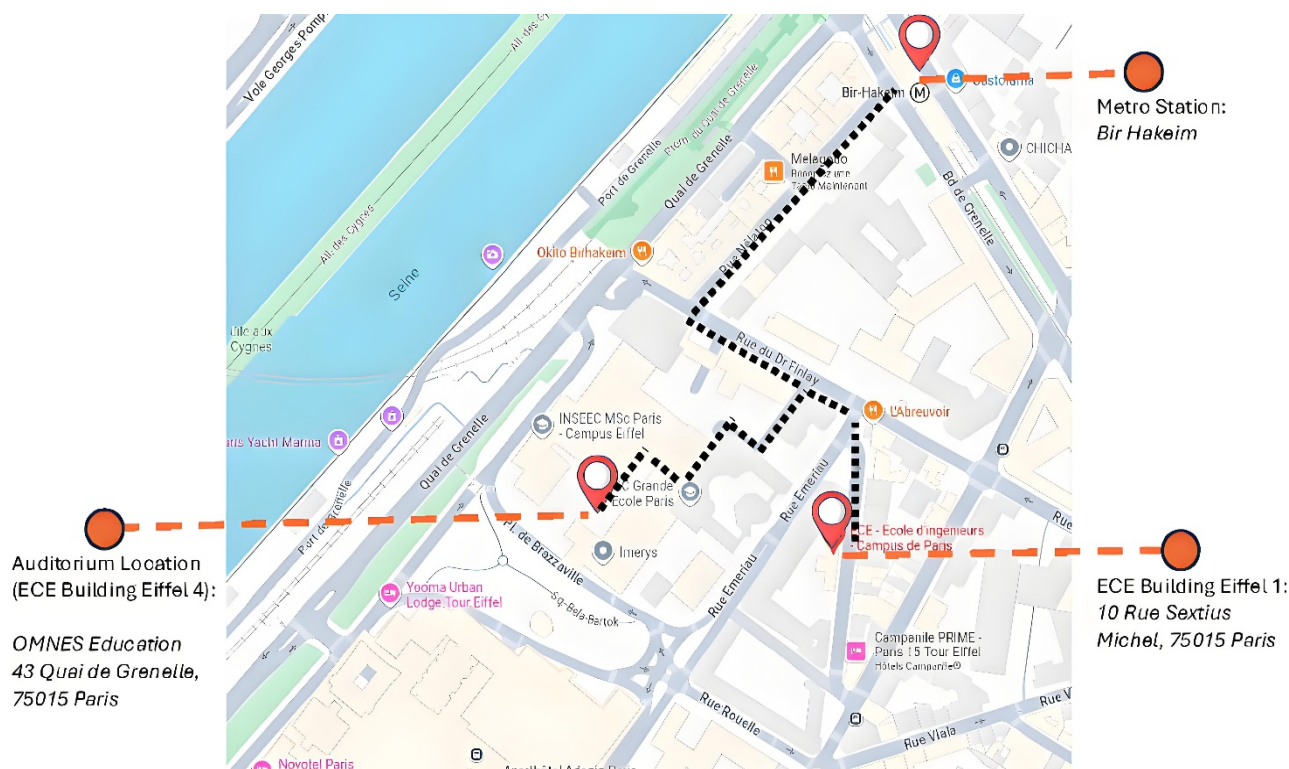


ECE - Paris Campus

Address: EM at campus Eiffel 1, situated at 10, Rue Sextius Michel, 75015 Paris, France

LOCATE THE CAMPUS ON GOOGLE MAPS:

<https://goo.gl/maps/1YU6QYgZSwvecUwm9>



Oral Presentation Tips

- ✓ The duration of a presentation slot is 15 minutes. Please prepare your presentation for about 12 minutes plus about 3 minutes for questions from the audience;
- ✓ An LCD projector & computer will be available in every session room for regular presentations;
- ✓ Presentations **MUST** be uploaded at the computer at least 15 minutes before the session start.

Dress Code

- ✓ All participants are kindly requested to dress formally, as casual wear is discouraged.
- ✓ National formal dress is welcome.

Attention Please

- ✓ Please ensure the safety of your belongings in public areas. For personal and property security, delegates are advised to wear their identification badges during the conference and refrain from lending them to unauthorized individuals. The conference cannot be held responsible for the loss of personal items.

Emergency Call: 112

Online Conference Information

Zoom information

Room A

ZOOM ID: 88386795743

ZOOM Link: <https://us02web.zoom.us/j/88386795743>

Passcode: 091012

Room B

ZOOM ID: 85941126636

ZOOM Link: <https://us02web.zoom.us/j/85941126636>

Passcode: 091012

Time Zone

- ✓ Paris Standard Time, UTC/GMT 2
- ✓ please make sure that both the clock and the time zone on your computer are set to the correct Paris standard time.

Sign in and Join

- ✓ Join a meeting without signing in: A Zoom account is not required if you join a meeting as a participant, but you cannot change the virtual background or edit the profile picture.
- ✓ Sign in with a Zoom account: All the functions are available.

Additional Suggestions

- ✓ A computer with an internet connection (wired connection recommended)
- ✓ USB plug-in headset with a microphone (recommended for optimal audio quality)
- ✓ Webcam (optional): built-in or USB plug-in
- ✓ Stable Internet Connection
- ✓ Quiet environment
- ✓ Proper lighting

Presentation Tips

Each presentation slot is 15 minutes. Please prepare to speak for around 12 minutes, allowing 3 minutes for audience questions.

Join the meeting room at least 15 minutes before the session begins.

September 10, 2025 | Wednesday

For Onsite Participants

Venue: Building Eiffel 4 (TBA)

14:00-17:00	Sign in and Collect Conference Materials
-------------	--

September 10, 2025 | Wednesday

For Online Participants

ZOOM ID: 88386795743

ZOOM Link: <https://us02web.zoom.us/j/88386795743>

Passcode: 091012

10:00-12:00	ZOOM Test for Presenters / Committee / Session Chairs
-------------	--

Daily Schedule

September 11, 2025 | Thursday

Venue: Building Eiffel 4, Auditorium Eiffel 4

09:00-09:30	Sign In & Morning Reception in (TBA)
Opening Address & Keynote Speech	
09:30-09:35	Conference Chair Opening Address Jacques Blanc-Talon , Université Paris XI, France
09:35-10:15	Keynote Speech I: <i>Towards hyper-realistic and immersive visual communications</i> Frederic Dufaux , CNRS · Laboratoire des Signaux et Systèmes, France IEEE Fellow
10:15-10:40	Break Time & Group Photo
10:40-11:20	Keynote Speech II: <i>Physics Informed Neural Network (PINN), New Bayesian approach (BPINN), and the applications</i> Ali Mohammad-Djafari , Former Research Director at CNRS, France Shaoxing University, Zhejiang, China; IDT-EIT, Ningbo, Zhejiang, China
11:20-11:40	Invited Speech I: <i>Kalman Filters: From the Linear-Gaussian Framework to Reparameterized Gradients</i> San Gultekin , Meta Platforms, Inc., United States
11:40-12:00	Invited Speech II: <i>Bit Error Rate of MIMO with One Active Antenna Over Nakagami-m Fading</i> Sergo Shavgulidze , Georgian Technical University, Georgia
12:00-14:00	Lunch Cafeteria in Campus

Author Presentation Sessions

Venue: Building Eiffel 4

14:00-15:45	Onsite Session 1 Digital Image Analysis and Processing Technology Session Chair: TBA FI105, FI2019, FI2017, FI2026, FI1012, FI2018, FI619-A	Auditorium Eiffel 4
14:00-15:45	Onsite Session 2 Multimodal Signal Detection, Estimation and Analysis Method Session Chair: TBA FI106, FI2022, FI3036, FI3035, FI3031-A, FI4043, FI4042	TBA
Break Time (TBA)		
16:00-17:30	Onsite Session 3 Intelligent Communication System and Key Technologies Session Chair: TBA FI103, FI2028, FI2014, FI2021, FI3033, FI2023	Auditorium Eiffel 4
16:00-17:35	Onsite Session 4 Applications of Artificial Intelligence in Information Systems Session Chair: TBA Invited Speaker-Ioanna Miliarezi, FI2024, FI614, FI620, FI724, FI3030-A	TBA
19:00-20:30	Dinner Cafeteria in Campus	

Daily Schedule

September 12, 2025 | Friday

Online Presentation Session		
10:00-11:40	Online Session 1 Image Analysis and Computing Session Chair: TBA Invited Speaker-Herminiño C. Lagunzad, Invited Speaker-Umesh C. Pati, FI3029-A, FI506, FI825, FI4039	Room A ZOOM ID: 88386795743 Passcode: 091012
10:00-11:45	Online Session 2 Artificial Intelligence Theory and Innovative Applications Session Chair: TBA Invited Speaker-Ruksar Fatima, Invited Speaker-Warren B. Panizales, Invited Speaker-Pengfei Han, FI617, FI826, FI616	Room B ZOOM ID: 85941126636 Passcode: 091012
11:25-13:00	Break Time	
13:00-14:40	Online Session 3 Advanced Information Technology and Data Management Session Chair: TBA Invited Speaker-Xinguo Yu, Invited Speaker-Ronakkumar N Patel, FI3037, FI4041, FI502, FI827	Room A ZOOM ID: 88386795743 Passcode: 091012