

FIRA World Summit 2025 Call for Paper

FIRA 30 years of Innovation:
Inspiring Minds, Advancing Robotics Worldwide



FIRA 2025 World Summit

Call for Paper

11th – 15th August, 2025

Hosted by FIRA, Daegu Metropolitan City

Organized by FIRA, KRSA

FIRA 2025 World Summit

The FIRA World Summit 2025 will be held with the FIRA Robot World Cup 2025 from the 11th to the 15th of August 2025 in Daegu, South Korea. The purpose of organizing the FIRA RoboWorldCup and Summit is to share many ideas and research results in AI and robotics areas. The FIRA Summit is soliciting novel research results on advanced robotics, intelligent systems, and building successful simulations for robots and systems. The organizing committee of the FIRA 2025 World Summit is preparing to hold this year's conference, as a hybrid event.

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IMPORTANT DATES

- Submission of short papers: 25th June 2025
- Notification to authors: 10th July 2025
- FIRA World Summit 2025: 11th th - 15th August 2025

We call for submissions of short papers, reporting innovative, original research relevant to areas of intelligent robotics and artificial intelligence. A detailed list of topics is given below. Within the described scope of topics we also encourage submissions of high-quality overview short articles, and papers describing the real world. We invite researchers to submit their work independently of whether they participate in the FIRA competitions or have a FIRA team.

30th Anniversary Slogan:

"FIRA 30 years of Innovation: Inspiring Minds, Advancing Robotics Worldwide"

SUBMISSION

Papers submitted should be written in English and at least two pages in single-column formats. All papers will be peer-reviewed, and evaluated by members of the senior FIRA Summit program committee. Please go through the Summit 2025 website and CfP for more information

<https://2025.firaworldcup.org>

Papers should be formatted following the LNAI author guidelines (<https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines>) and must be electronically submitted through the AVIS Event electronic submission system (<https://events.avisengine.com/>).

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FIRA World Summit Topics

Topics of interest include but are not limited to:

- Robot Hardware and Software Design of Intelligent Robots
- Perception, Reasoning, and Action
- Robot Cognition and Learning
- High-speed walking gaits and running robots
- Guidance and Navigation of Autonomous Vehicles
- Path Planning and Collision Avoidance in Autonomous Vehicles
- Communication and Connectivity
- Multi-Agent Systems (MAS)
- Cooperative Guidance and Navigation
- Aerial Manipulation
- Active balancing, posture generators, and push recovery
- High Accuracy Motion Control
- Complex motion planning
- Human-robot interaction
- High-speed object tracking
- Robot personalities (Marvin, the depressed robot magician)
- Labeled vision data and ground truth for localization
- Team play and role assignment
- Attention to perception and reasoning
- Efficient architectures for intelligent sports and entertainment robots
- Education, Entertainment, and Edutainment

Best Student Paper Award

FIRA Summit will award one best student paper award to the paper with a student as first author and that was presented by a student during the summit. The award will be judged by a jury whose members were selected from the FIRA community.

FIRA Summit will be a hybrid conference hosted simultaneously on the official FIRA AVIS Event Platform (<https://events.avisengine.com/>).

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Registration

The fees for registration of FIRA Summit participants are shown below.

Category	Early bird registration fee by 15th June by (USD\$)	Regular registration fee by 15th July by (USD\$)	Condition
FIRA Summit participant	-	250	Complementary registration included for FIRA participants

Committees

Program Committee Chair

- [Prof. Soroush Sadeghnejad](#), Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Program Committee

- Dr. Amirhossein Hosseinmemar, College of New Caledonia, Canada
- Prof. Azer Babaiev, Khalifa University, Dubai, UAE
- Prof. Reihard Gerndt, Ostfalia University of Applied Sciences, Germany
- Prof. Meng Cheng Lau, Laurentian University, Canada
- Dr. Mohammad Reza Chalak Qazani, Sohar University, Oman
- Dr. S.M.Hadi Sadati, Queen Mary University of London, England
- Prof. Rodrigo da Silva Guerra, Federal University of Santa Maria, Brazil
- Dr. Amirali Setayeshi, Amirkabir University of Technology (Tehran Polytechnic), Iran
- Dr. Saeed Saeedvand, National Taiwan Normal University, Taipei, Taiwan

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Organizing Committee

- Prof. Jacky Baltes, National Taiwan Normal University, Taipei, Taiwan
- Prof. Soroush Sadeghnejad, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran
- Prof. Kuo-Yang Tu, National Kaohsiung University of Science and Technology (NKUST), Kaohsiung, Taiwan

FIRA RoboWorld Cup and Summit 2025 Venue and Competition Schedule



EXCO (Daegu Exhibition & Convention Center)

Address: 10, Exco-ro, Buk-gu, Daegu, Republic of Korea

EXCO (Daegu Exhibition & Convention Center) is a premier venue for exhibitions,

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conventions, and events in Daegu, South Korea. Known for its state-of-the-art facilities and expansive spaces, it hosts many international and domestic events, including trade shows, conferences, and cultural exhibitions. Conveniently located with excellent transport links, EXCO serves as a hub for business, innovation, and cultural exchange in the region.

Travel

Daegu Metropolitan City is a dynamic and captivating city in southeastern South Korea. With a population of approximately 2.3 million, it's the third-largest city in Korea after Seoul and Busan and serves as the central hub of the Yeongnam region. Daegu boasts a rich historical significance while harmoniously blending modern development with tradition.

Now, let's introduce the visitor's guide for FIRA RoboWorld Cup participants: Welcome to Daegu, the vibrant host city of the FIRA RoboWorld Cup! Here's everything you need to know for an unforgettable visit:

Getting to Daegu

International Arrivals

1. Incheon International Airport (ICN):
 - Take a domestic flight to Daegu International Airport (1 hour)
 - KTX train from Seoul Station to Dongdaegu Station (1 hour 33 minutes)
 - Airport limousine bus to Dongdaegu Station (4 hours)
2. Gimhae International Airport (PUS):
 - Limousine bus to Dongdaegu Station (60 minutes)
3. Daegu International Airport (TAE):
 - Serves flights from various countries in Asia, Europe, and North America

From Dongdaegu Station to EXCO (Venue)

- Taxi: 12 minutes, approximately 6,100 KRW
- Bus: Take bus 413 or 937 to EXCO

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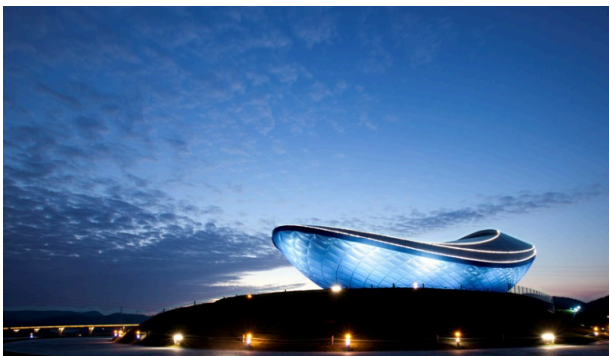
August Weather

Prepare for warm summer days:

- Average high: 31°C (88°F)
- Average low: 21°C (70°F)
- High humidity
- Occasional rainfall

Must-Visit Attractions

1. E-World and 83 Tower: Enjoy thrilling rides and panoramic city views
2. Seomun Market: Dive into traditional Korean culture and street food
3. Apsan Park: Hike scenic trails or take a cable car for breathtaking vistas
4. Suseong Lake: Relax by the water and enjoy local performances
5. Duryu Park: Perfect for picnics and outdoor activities
6. The ARC: Cultural and architectural landmark celebrating river ecology and culture through exhibitions, education, and stunning design.



Accommodation

A variety of accommodation options are available near EXCO. Detailed information on hotels offering special rates for FIRA participants will be provided on the official website.

More information on the FIRA official website

<https://2025.firaworldcup.org/>

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More information on the FIRA social media

www.firaworldcup.org

2025.firaworldcup.org

<https://www.facebook.com/groups/firarobot/>

<https://www.instagram.com/firaworldcup/?hl=en>

<https://www.linkedin.com/company/fira-roboworldcup/>

Contact

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