Call for Participation

International Youth Robot Camp 2025 KOREA

August 8–9, 2025, DCC, Daejeon, Korea

"New Challenge, New Experience in AI Era"

☀ Goal of Global AI Camp ☀

For the past 12 years, IYRA has provided a transformative platform that has empowered children and youth worldwide to explore innovative technologies and nurture their creativity through robotics. In the era of artificial intelligence, it is imperative to transition from a mindset of competition and conflict to one of collaboration and communication, ensuring collective prosperity and advancement for all of humanity. Now, IYRA embarks on a bold new journey by hosting a global camp where students from diverse cultures and backgrounds unite to forge lasting friendships, collaborate, and experience the joy of learning.

IYRA's Vision for Global Collaboration

Communication — Sharing ideas and information effectively

Innovative Technologies — Tools that enhance creativity and problem-solving

Collaboration — Working together towards common goals

Creativity — The ability to think outside the box and innovate

Global Camp

IYRA — International Youth Robot Association
대전광역시 DAEJEON METROPOLITAN CITY
DAEJEON Tourism Organization

☀️ **Camp Overview** ☀️

📅 **Schedule**: August 8 (Friday) 10:00 AM – August 9 (Saturday) 6:00 PM (2 days)

※ Registration starts at 9:00 AM on August 8 (Friday)

📍 **Venue**: DCC, Daejeon Convention Center

🎓 **Minimum Expected Participants**

- **Korea**: 30 participants (20 elementary, 10 middle & high school students)

- **International**: 150 participants from foreign countries etc.

- **Total**: 180 participants (excluding parents and teachers)

👥 **Team Composition**

- **Team Size**: 12 members per team (3-4 countries per team, 3-4 participants from each country)

- **Divisions**: Separate teams for elementary and middle/high school students

- **Expected Teams**: 15 teams

🤖 **Mentors & Staff**

- **Game (Experience) Supervisors**: 6 teachers

- **Team Mentors**: 2 university students per team for translation, mission mentoring, and general management

- **Staff**: University students and high school students, along with a few employees from partner companies

🏨 ✈️ **Accommodation & Transportation**

- **Hotel**: A 3-star residence hotel near the competition venue

- **Transportation:** Shuttle bus service provided between the venue and accommodation, as well as between the accommodation and Incheon Airport

📋 Detailed Program 📋

Day -1 (Aug. 7) - Afternoon & Dinner

- **School/University Visit Program:** Robotics and Advanced Facility Tour & Hands-on Experience Program or Exchange Activities (Sister School Partnership)

- **Hotel Check-in** 🏫 ✔️

Day 1 (Aug. 8) - Morning

- **Opening Ceremony & Orientation**

- **Team Formation**:

    o   Naming the team

    o   Introducing team members and building friendships

    o   Learning greetings in different languages

Day 1 (Aug. 8) - Afternoon

- **Experience Program Missions**:

    o   **hands-on missions**: Tic-Tac-Toe, Curling, Coding Hood, and more

    o   **immersive sports activities**: Park golf, Bowling, Archery

- **AI Mission Stage 1**

  o **Example Team Missions**:

    ▪ Collecting data for AI projects such as facial expression recognition, waste sorting AI, inappropriate language detection AI, and animal sound classification AI

Day 2 (Aug. 9) - Morning

- **AI Mission Stage 2**

  - Training collected data to create an AI model using

  - Integrating the AI model with **Coconut** or **Blacksmith Board** to implement services

  - **Final Presentation**: Team leaders present completed projects on stage

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Day 2 - (Aug. 9) Afternoon

- **Squid Game 5-Event Olympics**

  - Algorithm-based quiz challenges incorporating five traditional games: Ttakji-chigi (paper slap), Jegichagi (shuttlecock kicking), Tuho (arrow throwing), Sabangchigi (four-way hopscotch), Gonggi (stone juggling)

- **Recreation & Awards Ceremony**

  - **Awards**:

    - Overall team champion & runner-up

    - Awards for specific events and fields

    - **Special Awards**: Friendship Award, Popularity Award, Effort Award

Day 2 - (Aug. 9) Evening

- **Bye-Bye**

Notice! ⚠️ The above program is subject to change without prior notice depending on the circumstances.