

**UNIVERSAL
ROBOTICS
CHALLENGE**



2025 **The 9th**

Competition Report

Universal Robotics Challenge 2025 Executive Committee

October 2025

Overview

Title: Universal Robotics Challenge 2025

Idea Contest: July-October, 2025

Real Robotics Preliminaries: July 1 (Tue)-August 6 (Wed), 2025

World Finals: September 20 (Sat), 2025

Held by the Universal Robotics Challenge 2025 Executive Committee

Sponsors: Xob Co., Ltd., Ishida Co. Ltd., ELECOM Co., Ltd., Otsuka Corporation, Kyohritsu Electronic Industry Co., Kyowa Shiko Co., Ltd., Kunimatsu Corporation, Zetta Linx Inc., Sony Global Education, Turner Colour Works Ltd., Pentel Co., Ltd.

Media Sponsors: Seibundo Shinkosha, GMO Media Inc.,

Special Thanks To: Gakken Educational Co., Ltd.

Planning: Artec Co., Ltd. Universal Robotics Challenge 2025 Executive Committee

Competition Overview

Universal Robotics Challenge 2025 is a competition for elementary and middle schoolers, held both in-person and online. This year's competition was split into two divisions with a total of over 2700 entries.

- In Real Robotics, children follow the rules of the competition as they compete for the high score.
- In the Idea Contest, children use their ArtecRobo kit to build a robot for the competition theme and submit a video of it solving the challenge.

Real Robotics

[SDG9] Making Way for Innovation

Creating infrastructure and improving industry is a critical part of preserving and developing our society. The missions in these divisions challenge participants to create machines which can deliver and stack objects.

Early Division (Robots on the Farm)

Robots are tasked with delivering fruit on a farm as efficiently as possible.



Regular and Advanced Divisions (Robots at Work)

Robots are tasked with stacking packages in a factory as high as possible.



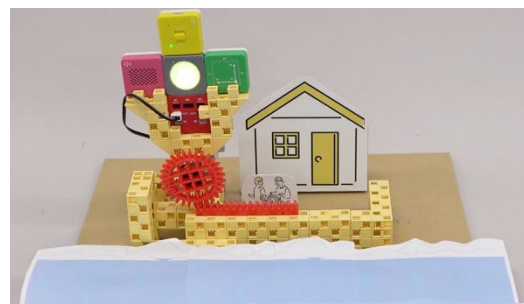
Idea Contest

[SDG11] Safer, Stronger Towns

Participants are tasked with designing and building a robot, machine, or system which can help our towns and cities survive natural disasters, infectious diseases, and other societal challenges.

[SDG11] Safer, Stronger Towns
Automated Tsunami Breaker

Arthur Tek



Real Robotics

World Championship Results

Early Division

1st

Japan
SmileRocket
Hijiri Iwai

2nd

Japan
Chikichiki Bon 398
Sakuya Matsuda

3rd

Thailand
Sky Box
BONGKOCHTHAM TRIYAWATHANYOO

Regular Division

1st

Hong Kong, China

JCPS

Lok Him Pan

Pui Tik Sit

Ho Chit Tse

King Chak Wong

2nd

Hong Kong, China

RUMMY ROBOTICS

LOK KWAN NG

CHUNG YEUNG IVAN KWOK

YUN CHI KONG

LOK TSUN TSANG

CHING EUNICE LAM

3rd

Australia

Ingleburn Public School

Noboneeta Kamal

Harper Taylor

Emily Winnacott

Sarah Wiltshire

Advanced Division

1st

Japan

TEAM SHIZUOKA

Shoma Iwasaki

Itsuki Morioka

Rin Morioka

Sora Fuzawa

Rikuto Kanemoto

2nd

Korea

Zetta

Changyu Jung

Sihyun Yun

Jeonghyun Kim

Seungwoo Cho

SooHo Pyo

3rd

Thailand

Ubon TP Robotics A

CHAYSIRIN BOONSIRIWATCHARAKUL

MR. TECHRAT TECHAKHAN

NATTHACHAI WIBOONPONG

Japan Qualifiers

Early Division

1st

Japan

Chikichiki Bon 398

Sakuya Matsuda

2nd

Japan

Mishima Robopros

Kentou Kidokoro

3rd

Japan

SmileRocket

Hijiri Iwai

Regular Division

1st

Japan

Kato Gakuen Rengo

Mitsuki Fukasawa

Anna Wakabayashi

Mayuri Okatsu

Kouichiro Uematsu

Risa Yoshida

2nd

Japan

Shinsei Gyoshu HDRT

Takahiro Sugai

Hiroto Kidokoro

Daiki Nishio

Reira Mochizuki

3rd

Japan

Tosho

Mitsuki Sakuno

Advanced Division

1st

Japan

KOSHIN KIDS D&Y

Daiki Fukui

Yuushi Awahara

2nd

Japan

TEAM SHIZUOKA

Shoma Iwasaki

Itsuki Morioka

Rin Morioka

Sora Fuzawa

Rikuto Kanemoto

3rd

Japan

KOSHIN KIDS SAT

Shun Miyata

Ayaka Yamada

Takuma Yumiguchi

Idea Contest

World Championship Results

Early Division

Platinum

Japan

Lightning-Protecting Faraday Cage Robot

<https://youtu.be/ti8wcMHxvNU>

Miori Sakai

Miyu Sakai

Gold

Japan

Roomvator

<https://youtu.be/SAyp5SuSxck>

Kazuma Tokunaga

Silver

Japan

Rescue! Disaster Robot

<https://youtu.be/iHgfvhKLP8>

Kei Yamada

Finalist

Japan

Ocean Garbage Zero-kun

<https://youtu.be/4bNStAznEY8>

Haru Izawa

Honorable Mention

Japan

All-Purpose Rescue Robot – Saving People, Pets, and Fish from Disasters and Floods

https://youtu.be/S-H42FG15_0

Koichi Masaoka

Regular Division

Platinum

Japan

Guide Robot

<https://youtu.be/0AG7U7TjH2M>

Sosei Mori

Gold

Japan

A Home That Protects the Elderly from Heatstroke

<https://www.youtube.com/watch?v=UzIFFqQy1s>

Sota Miyazaki

Silver

Malaysia

BINBOT

<https://youtu.be/q7rTevUGJDo>

AHMAD FIRAS ASYRAF BIN MOHD NAZIR

FADHLAN RAYQAL ZIQRI BIN SYAMSULZAIDI

MUHAMMAD WAFIR DAYYAN BIN MUHAMAD AZHARI

Finalist

Malaysia

EARTH TRACKER AND GUIDER

<https://youtu.be/u5Spq4YUr0Y>

IZZ RAYYAN RIZQIN BIN LOQMAN HAKIM

AISA ROSE BINTI MOHD AFEZAL

MUHAMMAD FATEH BIN MUHAMMAD FIKRY

Honorable Mention

Malaysia

DYNAMIC LANE ALLOCATION SYSTEM

<https://youtu.be/xt9wrQ-VvaE>

MUHAMMAD ARIFF NAWFAL BIN MOHAMMAD NAGUIB

SYED IRFAN ANAQI BIN SYED MUHAMMAD IZZAT

MUHAMMAD ARIF HAFIZ BIN RAMLI

Senior Division

Platinum

The Philippines

PROJECT HIRAYA

<https://youtu.be/HlvrkMhXgg>

Mira Preshuce Valentin

Tatianna Alysse Dee

Sean Joseph Liangco

Liam Jibriel Cubacub

Mateo Sebastian Dulatre

Gold

Hong Kong, China

GreenFlame Tracker

<https://youtu.be/I42XahbS6A8?feature=shared>

LEUNG TAK KIU

TAM CHIN HANG

KAO KA LOK

Silver

The Philippines

Automated Greenhouse Unit

<https://www.youtube.com/watch?v=Lyup6YBge9I>

Daniel Johan Yeung

Kiro Miroslav Choa

Finalist

Japan

BLUE SHIELD – “Tsunami, Go Back!”

<https://youtu.be/XcEKsgGR60s>

Kaede Moriki

Honorable Mention

Japan

House Collapse & Tsunami Protection System

<https://youtu.be/hzF1CwVUaD4>

Hiroki Miyajima

Japan Qualifiers

Early Division

Platinum

Lightning-Protecting Faraday Cage Robot

<https://www.youtube.com/watch?v=ti8wcMHxvNU>

Miori Sakai

Miyu Sakai

Gold

Roomvator

<https://www.youtube.com/watch?v=SAyp5SuSxck>

Kazuma Tokunaga

Silver

Rescue! Disaster Robot

<https://www.youtube.com/watch?v=iHgfvhKLP8>

Kei Yamada

Finalist

Ocean Garbage Zero-kun

<https://www.youtube.com/watch?v=4bNStAznEY8>

Haru Izawa

Honorable Mention

All-Purpose Rescue Robot – Saving People, Pets, and Fish from Disasters and Floods

https://www.youtube.com/watch?v=S-H42FG15_0

Koichi Masaoka

Regular Division

Platinum

Guide Robot

<https://youtu.be/0AG7U7TjH2M>

Sosei Mori

Gold

A Home That Protects the Elderly from Heatstroke

<https://www.youtube.com/watch?v=UzIFFqQy1s>

Sota Miyazaki

Silver

Safe Evacuation Protector Robot

<https://www.youtube.com/watch?v=PjvjUzhge5o>

Haruki Tokunaga

Finalist

Ecocycle Farm Robot #11

<https://www.youtube.com/watch?v=orqrgjD961E>

Kouta Ukawa

Kenji Hoshino

Honorable Mention

Shock Defender Road-Rail Vehicle

<https://www.youtube.com/watch?v=FBa7EXmCny4>

Kanata Komatani

Takuya Kazuta

Senior Division

Platinum

BLUE SHIELD – “Tsunami, Go Back!”

<https://www.youtube.com/watch?v=XcEKsgGR60s>

Kaede Moriki

Gold

House Collapse & Tsunami Protection System

<https://www.youtube.com/watch?v=hzF1CwVUaD4>

Yuki Miyajika

Silver

Landslide Predicting Robot

<https://www.youtube.com/watch?v=wWULCho9Nog>

Shiho Nakabayashi

Finalist

House Guard

<https://www.youtube.com/watch?v=JcqmZLMuYow>

Nanbu Kaneshiro

Honorable Mention

All-Purpose House

<https://www.youtube.com/watch?v=R3xyeVDnflo>

Yuma Hashimoto

From the Executive Committee

Universal Robotics Challenge 2025 was another year of simultaneous online and in-person competitions, and it wouldn't have been such a stunning success without the cooperation and hard work of numerous people. We'd like to offer our heartfelt thanks for the help of all those involved as well as for the support given to us by our sponsors.

This competition marks nine years of the Universal Robotics Challenge working to include a diverse number of participants not only from here in Japan but across the globe. Follow the link below to view a video of this year's competition:

The Universal Robotics Challenge in 2025

<https://www.youtube.com/watch?v=c9HiuhXCmBw>

We will continue our proud tradition of teamwork to help spread the word of the Universal Robotics Challenge and make 2025's competition all the better. We sincerely appreciate your continued support and guidance.