

Schedule

October 10 (Fri)		10:00	30	11:00	30	12:00	30	13:00	30	14:00	30	15:00	30	16:00	30
A	Harsh Environment Drone Challenge (HEDC)							13:00~14:00 Competition Slot ①				14:30~15:30 Competition Slot ②			
B	Plant Disaster Challenge			11:00~13:00 Preliminaries						14:00~17:00 Preliminaries					
C	Simulation Disaster Challenge	10:00~11:30 Preliminaries ①				11:45~13:15 Preliminaries ②				13:30~15:00 Preliminaries ③			15:15~16:45 Preliminaries ④		
D	Standard Disaster Robotics Drone Challenge (STM)	10:00~11:30 Preliminaries						12:30~14:00 Preliminaries				14:30~16:00 Preliminaries			
E	Stage Program			10:30~11:30		YouTube Live Broadcast									
Harsh Environment F-REI Challenge Forum															
October 11 (Sat)		10:00	30	11:00	30	12:00	30	13:00	30	14:00	30	15:00	30	16:00	30
A	Harsh Environment Drone Challenge (HEDC)	10:00~11:00 Competition Slot ③				11:30~12:30 Competition Slot ④				13:00~14:00 Competition Slot ⑤			14:30~15:30 Competition Slot ⑥		
B	Plant Disaster Challenge	10:00~12:00 Preliminaries						13:00~16:00 Preliminaries							
C	Simulation Disaster Challenge	10:00~10:40 Semifinals ①		10:55~11:35 Semifinals ②				13:00~13:40 Semifinals ③		13:55~14:35 Semifinals ④		14:45~16:30 Exhibition			
D	Standard Disaster Robotics Drone Challenge (STM)	10:00~12:00 Semifinals						13:00~14:30 Semifinals				14:40~16:10 Semifinals			
E	Stage Program	YouTube Live Broadcast										14:00~15:00		YouTube Live Broadcast	
Standardized Performance Testing and Social Implementation of Disaster Response Robots and Drones															
October 12 (Sun)		10:00	30	11:00	30	12:00	30	13:00	30	14:00	30	15:00	30	16:00	30
A	Harsh Environment Drone Challenge (HEDC)	10:00~11:00 Competition Slot ⑦				11:30~12:30 Competition Slot ⑧				13:00~14:00 Competition Slot ⑨					
B	Plant Disaster Challenge	10:00~13:00 Finals													
C	Simulation Disaster Challenge	10:00~11:05 Finals						13:00~14:30 Exhibition							
D	Standard Disaster Robotics Drone Challenge (STM)	10:00~11:45 Finals													
E	Stage Program	YouTube Live Broadcast										14:00~14:30	Demonstration and Future Prospects of Drone Utilization in Tunnel Disaster Response		16:00~16:50
Harsh Environment F-REI Challenge Award Ceremony															

※The schedule is subject to change due to weather or other unforeseen circumstances. Thank you for your understanding. ※For the detailed schedule, including participating teams, please refer to the official website.

Competition Overview

A Harsh Environment Drone Challenge (HEDC)

Venue Namie Runway (outside venue)
Urban Field (No Entry area)

This competition simulates a large-scale disaster scenario, involving tasks such as surveying disaster-affected areas and delivering relief supplies to victims. Missions are conducted from takeoff at Namie Runway to the Odaka area and RTF.

Details available



B Plant Disaster Challenge

Venue Test Plant / Tunnel

This competition focuses on utilizing digital twin technology for inspection and maintenance of aging plant sights and tunnels, as well as emergency response during abnormal situations.

Details available



C Simulation Disaster Challenge

Venue Research Building 1F

This competition utilizes simulation technology to create a competition field that mimics extremely harsh plant environments that cannot be replicated in real-life.

Details available



D Standard Disaster Robotics Drone Challenge (STM)

Venue Indoor Test Site

This competition aims to conduct four key performance evaluations by incorporating various harsh environmental factors to competition fields.

Details available



※The Harsh Environment Drone Challenge (HEDC) and Plant Disaster Challenge can be viewed on large monitors. Please refer to the venue map on the back. ※All competitions will be streamed live on YouTube. For more information, please visit the official website.

Bus Schedule

JR Haranomachi Station → Venue (RTF)

※Please note that delays may occur due to traffic congestion or other factors.

October 10 (Fri)		Route Bus (Paid)	
Dep. from JR Haranomachi Sta.	Hr	Dep. from Venue (RTF)	
	00	08	
	09		
	45	10	
	11		
	12	46	
	15	13	
	14		
	15	16	
	16		
	17	40	

※The boarding point for the paid route bus is located in front of the main entrance of the Research Building.
※The bus also stops at other designated bus stops.

October 10 (Fri)		Free Shuttle Bus	
Dep. from JR Haranomachi Sta.	Hr	Dep. from Venue (RTF)	
	03	08	
	09	30	
	00 55	10 37	
	42	11 12 55	
	15	12 35	
	10	13 42	
	18	14 52	
	20	15 35	
	16	03 30	
	17	08	

※The boarding point differs from that of the paid route bus. Please refer to the venue map on the reverse side.

October 11 (Sat) & 12 (Sun)		Free Shuttle Bus	
Dep. from JR Haranomachi Sta.	Hr	Dep. from Venue (RTF)	
	03	08	
	09	30	
	00 55	10 37	
	42	11 12 55	
	15	12 44	
	14	13 42	
	18	14 52	
	22	15 38	
	16	03 30	
	17	08	

※Shuttle bus staff will guide passengers using handheld signs.

WRS World Robot Summit 2025

Harsh Environment F-REI Challenge

October 10 (Fri) to 12 (Sun), 2025 10:00a.m. to 5:00p.m.
Venue Fukushima Robot Test Field (RTF)

Free Admission



Visitor Registration Form

Pre-registration via the 2D code on the left will allow for smoother entry at the reception on the day of the event.
※Registration is not required for junior high school students and younger.

Host F-REI
Fukushima Institute for Research, Education and Innovation

Co-host METI
Ministry of Economy, Trade and Industry

Supported by
Reconstruction Agency, Fukushima Prefecture,
Minamisoma City, Namie Town

Harsh Environment F-REI Challenge
Official Website



※Please note that the content is subject to change without prior notice.

E Stage Program

October 10 (Fri) 10:30a.m.~11:30a.m.

Harsh Environment F-REI Challenge Forum

An explanation by the competition committee chairs on the four challenges, as well as the initiative to develop robots and drones for harsh environments.

Presenters

Harsh Environment Drone Challenge (HEDC) Competition Committee Chair
Fukushima Institute for Research, Education and Innovation (F-REI)
Director, Field of Robotics

Dr. Kenzo Nonami

International Rescue System Institute President
Plant Disaster Challenge, Simulation Disaster Challenge, and
Standard Disaster Robotics Drone Challenge (STM) Competition Committee Chair
Dr. Satoshi Tadokoro



October 12 (Sun) 16:00p.m.~16:50p.m.

Harsh Environment F-REI Challenge Award Ceremony

The results of the four challenges will be announced, followed by an awards ceremony presenting the Minister of Economy, Trade and Industry Award for first place and the Governor of Fukushima Award for second place.



Enjoy the flavors of autumn Food trucks will be on site!

October 11 (Sat) 14:00p.m.~15:00p.m.

Standardized Performance Testing and Social Implementation of Disaster Response Robots and Drones

A presentation on the efforts towards international standardization utilizing robot and drone competitions, along with future prospects.

Presenters

Standard Disaster Robotics Drone Challenge (STM)
Competition Committee



October 12 (Sun) 14:00p.m.~14:30p.m.

Demonstration and Future Prospects of Drone Utilization in Tunnel Disaster Response

A live demonstration will be broadcast by KITE from Toyonaka City, Osaka Prefecture, which pioneered the deployment of drones in firefighting.

Demonstration presented in cooperation with

Toyonaka City Fire Department – Disaster Response
Drone Unit KITE



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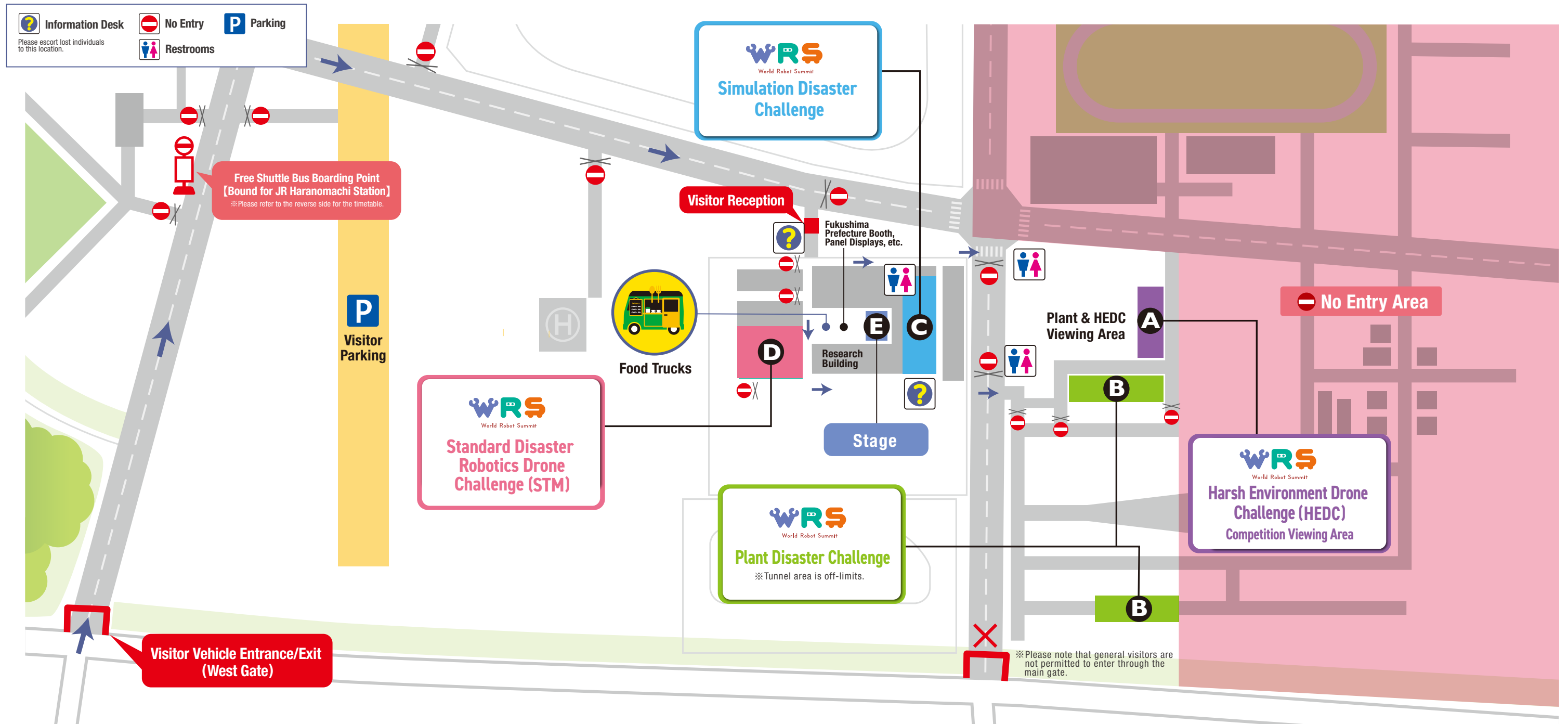
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※Listed in alphabetical order; legal entity omitted

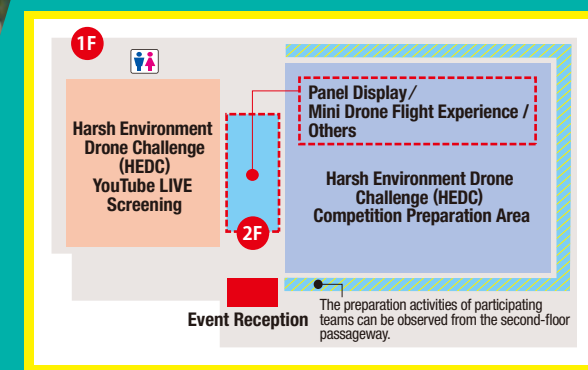


Venue Cosmos Arena

Harsh Environment Drone Challenge (HEDC) Participating Teams Competition Preparation Area Now Open to the Public!

At Cosmos Arena, the preparation activities of teams participating in the Harsh Environment Drone Challenge (HEDC) are being specially showcased! The competition will also be viewable on a large screen at the venue, and a mini drone flight experience will be available for visitors. All are welcome to join the event!

Mini Drone Flight Experience October **11** (Sat) & **12** (Sun) **1** 10:00~10:30 **2** 12:30~13:00 **3** 15:00~15:30



Address Cosmos Arena (Nami Community Sports Center)
 5-2 Shimoumaaraida, Gongendo, Namiemachi, Futaba-gun, Fukushima 979-1521

