



RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: January 22, 2025 $\,$ Time: 474

2025-01-22

Registration Form



Team name:			
Team leader name:			
Safety first!			
-	. During operation in an ϵ		obot is not allowed to go faster as it may not exceed a walking
immediately if there is a rea	note possibility of dangero or Organizational committ	us behavior towards peo ee, an Executive or Tru	owners have to stop the robot ple and/or objects. If a referee stee of the federation tells the stopped <i>immediately</i> .
immediately by a decision	of the RoboCup@Home rom future competitions f	Technical Committee. I	from the ongoing competition Furthermore, the team and its an a year by a decision of the
	Robot 1	Robot 2	
Size of the robot			
Emergency button(s)			
Start button			
Collision avoidance			
Voice of the robot			
Robot speaker system			
Use of external devices			
ASR Bypassing method			
Other safety issues			
Custom containers.			
External Devices: I have read and fully under	stood the "Safety First" s	tatement and agree to it	. Furthermore, I agree to obey
the rules in the official Rol			, Gv
Date & time	$\overline{Team\ leader}$		



Test:	Poster Session	enoi
Team name:		
Referee name:		

Instructions:

- 1. Please watch all posters carefully.
- 2. There will be a team member for questions about the poster.
- 3. After viewing the poster and asking your questions you may have, please fill in the evaluation sheet below.
- 4. Is not allowed to evaluate your own team.
- 5. You may use the space below "Remarks:" to take notes for yourself.
- 6. Enter your team's name ("Team name") and your name ("referee name") on top of the sheet.
- 7. Sign the form using either "Referee" or "Team leader" slots at the bottom.

Evaluation sheet

T.	Overall score
Team	of poster (0-10)
Chief Scientist Office	
EPFL@Home	
eR@sers	
FBOT@Home	
Gentlebots	
Hibikino-Musashi@Home	
KIARO	
LAR@Home	
LASR	
LCASTOR	
LyonTech	
NimbRo@Home	
Pumas	
PUMAS-DSPL	
RoboCanes-VISAGE	
RoboFEI@Home	
RoBorregos rUNSWeep	
Serious Cybernetics Corporation (SCC)	
Sinfonia Uniandes	
SKUBA	
SOBITS	
SocRob@Home	
SUTURO-VaB	
Team of Bielefeld (ToBi)	
Tech United Eindhoven	
Tidyboy-DSPL	
Tidyboy-OPL	
Tinker	
TRAIL	
UT Austin Villa@Home	

\mathbf{R}	6	n	าล	\mathbf{r}	ks:
	ਢ		10		n. ¬.

Deus Ex Machina Penalties

Special Penalties & Bonuses

Using alternative start signal

Duration (limit: 5:00 minutes)

Outstanding performance

Not attending

Recordings

Rediscovering the operator by natural interaction

Rediscovering the operator by direct contact

Rediscovering the operator by unnatural interaction

Rediscovering the operator by asking them to come back



Test:	Help Me Carry			EL	
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$					
Following the pers	son to the car	300			
Perceiving the con	rrect beg (visualize on screen or say which one)	15			
Picking up the co	rrect bag	100			
Avoiding the crov	vd of people obstructing the path	50			
Avoiding the sma	ll object on the ground	50			
Avoiding the hard	l-to-see object	50			
Avoiding the area	blocked with retractable barriers	50			
Bonus rewards					
Re-reaching the s	tarting location	200			
Joining and staying	ng in the queue on the way to the arena	300			
Penalties					
Dropping the bag		-50			

-50

-100

-150

-200

-500

-100

111



Test:	General Purpose Service Robot			RC	@Home
Team name:					
Referee name:					
Action		Score	1^{st} \mathbf{try}	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$					
Executing the tas	k associated with each command	3×400			
Bonus Rewards					
Understanding a o	command given by a non-expert operator	3×100			
Deus Ex Machi	na Penalties				
Using a custom of		3×-50			
Bypassing speech		3×-50			
	nan to perform parts of the task will apply a ccording to similar penalties in other Stage I t				
Special Penaltie	$es {\it \& Bonuses}$				
Not attending		-500			
Using alternative	9	-100			
Outstanding perfe	ormance	150			
Recordings Duration (limit: 5	5:00 minutes)				
Restart after (sec)	,				
Score per try		1500			
Total Score Remarks:		1650			

 $Date \ \ \mathcal{U} \ time$ Referee $Team\ leader$



Test:	Receptionist
Team name:	
Referee name:	

Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Show the guest around (navigate to the b	everage area and living room)	2×30			
Look in the direction of navigation or at	t the navigation goal	2×15			
Confirm favorite drink		2×20			
Confirm interest of guest		2×20			
Tell position of favorite drink		2×20			
Offer a free seat to the new guest		2×100			
Look at the person talking		2×75			
Introduce both guests to each other		75			
Bonus Rewards					
Open the entrance door for a guest		2×200			
State a shared interest between two or r	nore persons	50			
Describe the first guest to the second gu		4×30			
Penalties	,	,			
Wrong guest information was memorized or drink)	d (continue with wrong name	2×-50			
Interest was not or wrongly memorized		2×-50			
Persistent inappropriate gaze (away from	n conversational partner)	-50			
Persistent gaze not in the direction of the	= /	-25			
Describe the first guest to the second gu		4×-30			
Wrongly stating a similarity	,	-30			
Deus Ex Machina					
Alternative HRI		2×-75			
Not recognizing people		2×-200			
Special Penalties & Bonuses					
Not attending		-500			
Outstanding performance		120			
Recordings					
Duration (limit: 5:00 minutes)					
Restart after (sec)					
Score per try		1205			
Total Score		1325			
Remarks:					
Date \mathcal{E} time	Referee		Team le	eader	



Test:	Storing Groceries	
Team name:		
Referee name:		

Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Navigating to the table		15			
Perceiving object and categorizing it corr	rectly	5×15			
Picking up an object for transportation t	to the cabinet	5×50			
Perceiving objects in shelf and saying o	n which layer the currently	5×15			
handled object should be placed					
Placing an object in the cabinet		5×15			
Placing an object next to similar objects	on the cabinet	5×50			
Opening a cabinet door		2×100			
Pouring cereal into the container		300			
Bonus Rewards					
Picking up an object from the shopping	bag	50			
Picking up a tiny object		70			
Placing a tiny object		30			
Picking up a heavy object		70			
Placing a heavy object		30			
Deus Ex Machina Penalties					
A human handing an object over to the	robot	5×-50			
A human placing an object in the cabine	\mathbf{t}	5×-15			
A human placing an object in the cabine	t next to similar objects	5×-50			
A human pointing at a target location		5×-25			
A human opening the cabinet door		2×-100			
Spilling cereal while pouring		-100			
Leaving cereal in the box		-100			
A human pouring cereal in the bowl		-300			
Special Penalties & Bonuses					
Not attending		-500			
Using alternative start signal		-100			
Outstanding performance		149			
Recordings					
Duration (limit: 7:00 minutes)					
Restart after (sec)					
Score per try		1490			
Total Score		1639			
Remarks:		- 00			
200-1-104 ABU*					
Date & time	Referee		Team le	eader	

RoboCup @Home)

Test:	Clean the Table
Team name:	
Referee name:	

Action	Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal				
Navigate to the table to pick up items	15			
Picking tableware (cup, bowl, plate) for transportation to the dish-	3×50			
washer				
Picking up cutlery (spoon, fork) for transportation to the dishwasher	2×80			
Picking up a drink for transportation to the trash bin	2×50			
Placing the tableware and cutlery inside the dishwasher	5×50			
Placing an item correctly (cleanable, convenient like a human would)	5×75			
in the dishwasher				
Placing a drink inside the trash bin	2×50			
Bonus Rewards				
Pulling out the dishwasher rack	100			
Pushing in the dishwasher rack	100			
Opening the dishwasher door	200			
Closing the dishwasher door	200			
Picking up the dishwasher tab for transportation to the dishwasher	100			
Placing the dishwasher tab inside the dishwasher's hatch intended for	200			
the tab				
Wiping the area where the drink was	2×50			
Deus Ex Machina Penalties				
Handing tableware over to the robot	3×-50			
Handing cutlery over to the robot	2×-80			
Handing a drink over to the robot	2×-50			
Having a human place an object in the dishwasher	5×-50			
Having a human place a drink inside the trash bin	2×-50			
A human pointing at the trash bin	2×-25			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	215			
Recordings				
Duration (limit: 10:00 minutes)				
Restart after (sec)				
Score per try	2150			
Total Score	2365			

Remarks:

ate & time	Referee	$Team\ leader$



				Ro	oboCup @Home
Test:	Enhanced General Purpose Service Robot				
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
•	n be repeated unlimited times)				
=	state an encountered problem	3×150			
Solve a problem		3×650			
Penalties		400			
Find repeated pr		-100			
	problem category for the 2nd time	-300 5 00			
	problem category for the 3rd (or more) time	-500			
Deus Ex Mach		0 450			
Asking for location	-	3×-150			
_	man to perform parts of the task will apply a				
Stage II tests.	ty according to similar penalties in other	3×-650			
_		<i>3</i> × <i>030</i>			
Special Penalti Not attending	es & Bonuses	-500			
Using alternative	start signal	-300 -100			
Outstanding perf	_	240			
Recordings	ormanec	240			
Duration (limit:	10:00 minutes)				
Restart after (see	•				
<i>C</i> .		2100			
Score per try		2400			
Total Score		2640			
Referee Information robot in remarks	nation: Note each problem (category, item, loc	ation) and ma	ark if the	y are stat	ed by the
Remarks:					
D-4- 62 1:				1	
Date & time	Referee		Team le	eaaer	



Test:	Restaurant	@Hom
Team name:		
Referee name:		

Action	Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Rewards			-	
Detect calling or waving customer	2×100			
Reach a customer's table without prior guidance/training	2×100			
Take an order.	2×300			
Serve an order.	2×300			
Bonus Rewards				
Use an unattached tray to transport	2×200			
Regular Penalties				
Not making eye-contact when taking an order	2×-80			
Not reaching the bar (barman has to move from behind the bar to interact	2×-80			
with the robot)				
Deus ex Machina Penalties				
Being guided to a table	2×-200			
Asking the Barman to handover object to the robot	4×-50			
Guest needing to take the object from a tray or the robot's hand	4×-50			
Being told/pointed where is a table/Kitchen-bar	2×-100			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	200			
Recordings				
Duration (limit: 15:00 minutes)				
Restart after (sec)				
Score per try	2000			
Total Score	2200			

Remarks:

Date & time	$\overline{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$



Test:	New HRI	@Hon
Team name:		
Referee name:		

Action	Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Rewards				
Doing stuff	1500			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	150			
Recordings				
Duration (limit: 10:00 minutes)				
Restart after (sec)				
Score per try	1500			
Total Score	1650			

Remarks:

Date & time	Referee	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$

 $Date \ \mathcal{C} \ time$



			Robo Cur @Home
Test:	Final Demonstration		Чноте
Team name:		_	
Referee name:			
Action		Score	Single try
Main Goal (car	n be repeated unlimited times)		<u></u>
,	state an encountered EGPSR problem	3×150	
Solve a EGPSR p	roblem	3×650	
Opening the Door	r of the Apartment	600	
Closing the Dishw	vasher	600	
Closing a Cabinet	Door	300	
Penalties			
Find repeated EC	SPSR problem category	-100	
Solving repeated	EGPSR problem category for the 2nd time	-300	
Solving repeated	EGPSR problem category for the 3rd (or more) time	-500	
Deus Ex Mach	ina Penalties		
Asking for location	n of a problem	3×-150	
Instructing a hum	nan to perform parts of the task will apply a		
	y according to similar penalties in other		
Stage II tests.		3×-650	
Recordings			
Duration (limit: 1	•		
Restart after (sec			
Total Score		3900 _	
Referee Inform	ation: Note each problem (category, item, location) a	and mark if t	hey are stated by the
robot in remarks			
Remarks:			
nemarks:			

 $Team\ leader$

Referee