



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: January 6, 2025 Time: 903

2025-01-06

# Registration Form



Team name:			
Team leader name:			
Safety first!			
-	During operation in an e		obot is not allowed to go faster ns it may not exceed a walking
immediately if there is a rer	note possibility of dangerour r Organizational committe	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 Tom future competitions for	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	100001	100000 2	<del>-</del>
Emergency button(s)			<del> </del>
Start button			<del> </del>
Collision avoidance			<del> </del>
Voice of the robot			—
Robot speaker system			_
Use of external devices			<del> </del>
ASR Bypassing method			<del> </del>
Other safety issues			<del> </del>
Custom containers.			_
External Devices:  I have read and fully under the rules in the official Rob	<del>-</del>	atement and agree to it	z. Furthermore, I agree to obey
Date & time	$\overline{Team\ leader}$		



Test:	Poster Session	endi
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			

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Date & time	Referee	$\overline{Team\ leader}$	



				Ro	boCup
Test:	Help Me Carry			E	enome
Team name:					
Referee name:					
Action		Score	$1^{st}  ext{ try}$	$2^{nd}$ try	$3^{rd}$ try
Main Goal		Score	1 try	2 tiy	э ну
Following the pers	son to the car	300			
= =	rect beg (visualize on screen or say which one)	15			
Picking up the cor	- ` ,	100			
	rd of people obstructing the path	50			
=	ll object on the ground	50			
Avoiding the hard	· ·	50			
=	blocked with retractable barriers	50			
Bonus rewards					
Re-reaching the st	arting location	200			
	ng in the queue on the way to the arena	300			
Penalties	,				
Dropping the bag		-50			
Deus Ex Machi	na Penalties				
	operator by natural interaction	-50			
	operator by unnatural interaction	-100			
_	operator by asking them to come back	-150			
_	operator by direct contact	-200			
Special Penaltie					
Not attending		-500			
Using alternative :	start signal	-100			
Outstanding perfo	ormance	111			
Recordings					
Duration (limit: 5	:00 minutes)				
Score per try		1115			
Total Score		1226			
Remarks:					

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



Test:	General Purpose Service Robot	@Hom
Team name:		-
Referee name:		-

Action	$\mathbf{Score}$	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal				
Executing the task associated with each command	$3 \times 400$			
Bonus Rewards				
Understanding a command given by a non-expert operator	$3 \times 100$			
Deus Ex Machina Penalties				
Using a custom operator	$3 \times -50$			
Bypassing speech recognition	$3 \times -50$	-		
Instructing a human to perform parts of the task will apply a per	-3×-400			
centage penalty according to similar penalties in other Stage I tests.				
$Special\ Penalties\ {\it \&Bonuses}$				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	150			
Recordings				
Duration (limit: 5:00 minutes)				
Score per try	1500			
Total Score Remarks:	1650			

 $\overline{Date~\&~time}$   $\overline{Referee}$   $\overline{Rem~leader}$  RoboCup@Home Forms & Score Sheets / Draft version for RoboCup 2025 (Revision 2025-01-06\_1)



Test:	Receptionist	@Hom
Team name:		
Referee name:		

Action	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal				
Guide the guest to the other guests (navigate to the guest group)	2×15			
Look in the direction of navigation or at the navigation goal	$2 \times 50$			
Introduce a new guest to every other guest and the host	$2 \times 50$			
Offer a free seat to the new guest	$2 \times 100$			
Look at the person talking	$2 \times 25$			
Look at the person the robot is introducing the guest to	$2 \times 50$			
Bonus Rewards				
Open the entrance door for a guest	2×100			
Describe the first guest to the second guest (per corect attribute)	4×30			
Describe the first guest to the second guest (per incorrect attribute)	4×-30			
Penalties				
Wrong guest information was memorized (continue with wrong name or drink)	-50			
Persistent inappropriate gaze (away from conversational partner)	-50			
Persistent gaze not in the direction of the navigation while moving.	-10			
Deus Ex Machina				
Alternative HRI	$2\times-75$			
Not recognizing people	2×-200			
Special Penalties & Bonuses				
Not attending	-500			
Outstanding performance	90			
Recordings				
Duration (limit: 5:00 minutes)				
Score per try	900			
Total Score	990			

Remarks:

Date & time	Referee	$Team\ leader$

Remarks:



Test:	Serve the Breakfast	@Home
Team name:		
Referee name:		

Action	$\mathbf{Score}$	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal				
Initial navigation to pick up area	15			
Perceiving object and categorizing it correctly (visualize or say)	$4 \times 15$			
Picking up breakfast items for transportation to the table	$4 \times 50$			
Placing breakfast items on the table	$4 \times 50$			
Pouring cereal into the bowl	300			
Bonus Rewards				
Pouring milk into the bowl	300			
Placing a spoon next to the bowl	100			
Penalties				
Throwing or dropping an object on the table	4×-30			
Spilling cereal while pouring	-100			
Spilling milk while pouring	-100			
Deus Ex Machina Penalties				
Pointing at an object	$4 \times -5$			
Handing an object over to the robot	$4 \times -50$			
A human placing an object on the table	$4 \times -50$			
A human pouring cereal in the bowl	-300			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	117			
Recordings				
Duration (limit: 5:00 minutes)				
Score per try	1175			
Total Score	1292			

 $Date \ \ \mathcal{U} \ time$ 



			EZ	<b>boCup</b> @Home
	~		,	,
	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
1.1_	1.5			
-				
	IIy 0×10			
-	5×15			
door without human help	200			
	70			
•	30			
	70			
ect	30			
Penalties				
object over to the robot	$5 \times -50$			
object in the cabinet	$5 \times -15$			
object in the cabinet next to similar objects	$5 \times -50$			
t a target location	$5 \times -25$			
${\cal E}\ Bonuses$				
	-500			
rt signal	-100			
nance	114			
0 minutes)				
	1140			
	1254			
	ble d categorizing it correctly for transportation to the cabinet n shelf and saying on which layer the current d be placed the cabinet ext to similar objects on the cabinet  door without human help ject bet det det det det det det det det det d	d categorizing it correctly for transportation to the cabinet $5 \times 50$ m shelf and saying on which layer the currently $5 \times 15$ d be placed the cabinet $5 \times 15$ ext to similar objects on the cabinet $5 \times 15$ door without human help ject $70$ door without human help ject $70$ ext $70$ dot	ble	ble $15$

 $Team\ leader$ 

Referee

 $Date \ \ \mathcal{U} \ time$ 



				Ro	boCup @Home
Test:	Clean the Table				
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}$ try
Main Goal				-	-
Navigate to the ta	ble to pick up items	15			
Picking tableware	(cup, bowl) for transportation to the dish	washer $2 \times 40$			
Picking up a plate	for transportation to the dishwasher	50			
Picking up cutlery	(spoon, fork) for transportation to the di	ishwasher $2 \times 80$			
Placing the tablew	vare and cutlery inside the dishwasher	$5 \times 50$			
Placing an item coin the dishwasher	orrectly (cleanable, convenient like a hum	an would) $5 \times 50$			
Bonus Rewards					
Pulling out the dis	shwasher rack	100			
Pushing in the dis	hwasher rack	100			
Opening the dishv	vasher door	200			
Closing the dishwa	asher door	200			
Picking up the dis	hwasher tab for transportation to the dish	nwasher 100			
Placing the dishwathe tab	asher tab inside the dishwasher's hatch in	tended for 200			
Deus Ex Machi	na Penalties				
Handing tableware	e over to the robot	2×-40			
Handing plate over	r to the robot	-50			
Handing cutlery o	ver to the robot	$2 \times -80$			
Having a human p	place an object in the dishwasher	$5 \times -50$			
Special Penaltie	$s \ {\it \& Bonuses}$				
Not attending		-500			
Using alternative	start signal	-100			
Outstanding perfe	rmance	170			
Recordings					
Duration (limit: 1	<b>0:00</b> minutes)				
Score per try		1705			
Total Score		1875			
Remarks:					

 $Team\ leader$ 

Referee



Test:	Enhanced General Purpose Service R	obot			@Ноте
Team name:	1				
ream name.					
Referee name:					
Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Find and clearly s	state an encountered problem	$3 \times 150$			
Solve a problem		$3 \times 650$			
Deus Ex Machi	ina Penalties				
Asking for locatio	_	$3 \times -150$			
	nan to perform parts of the task will coording to similar penalties in other S				
Special Penaltie	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative $$	start signal	-100			
Outstanding perfe	ormance	240			
Recordings Duration (limit: 1	10:00 minutes)				
Score per try		2400			
Total Score		2640			
Remarks:					



Restaurant	@Hom
	Restaurant

Action	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards				
Detect calling or waving customer	$2 \times 100$			
Reach a customer's table without prior guidance/training	$2 \times 100$			
Take an order.	$2 \times 300$			
Serve an order.	$2 \times 300$			
Bonus Rewards				
Use an unattached tray to transport	$2 \times 200$			
Regular Penalties				
Not making eye-contact when taking an order	$2 \times -80$			
Not reaching the bar (barman has to move from behind the bar to interact	$2 \times -80$			
with the robot)				
Deus ex Machina Penalties				
Being guided to a table	2×-200			
Asking the Barman to handover object to the robot	$4 \times -50$			
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)				
Score per try	2000			
Total Score	2200			

Remarks:

Date & time	$\overline{Referee}$	$\overline{Team\ leader}$



Test:	Stickler for Rules			AC.	@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}$ try
Regular Reward					
	reaking a house rule (indicating the rule by	, ,			
take.	et, politely clarify to the guest what action he				
	guest is following the rule.	$4 \times 200$			
Bonus Rewards Making eye-conta broken.	ct, politely clarify to the guest what rule is	s being $4 \times 100$			
Regular Penalti Talking to a guest	es about a rule they are not breaking	4×-100			
Deus ex Machin	na Penalties				
	the robot towards a guest who is breaking a				
	robot which rule is being broken	4×-100			
Special Penaltie	es & Bonuses	500			
Not attending Using alternative	stort signal	-500 -100			
Outstanding perfe		$\frac{-100}{200}$			
Recordings	rmanee	200			
Duration (limit: 1	<b>0:00</b> minutes)				
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time			Team le	eader	



Test:	Final Demonstration — Jury Evaluation	@Hom
Team name:		
Referee name:		

#### **Instructions:**

- 1. Please watch all demonstrations carefully.
- 2. At the end of the demonstration you may ask questions.
- 3. After demonstration and questions, please fill in the evaluation sheet below.
- 4. You may use the space below "Remarks:" to take notes for yourself.
- 5. Enter your your name ("referee name") on top of the sheet.
- 6. Sign the form using the "Referee" slot at the bottom.

#### **Evaluation sheet**

	Originality and	Relevance/usefulness to	Elegance of	Success of
Team	presentation*	everyday life	overall demonstration	overall demonstration
	(0-10)	(0-10)	(0-10)	(0-10)
Fifth				
Fourth				
Third				
Second				
First				

<sup>\*</sup> Story telling is to be rewarded

#### Remarks:

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



of the demonstration nstration and questic se the space below "F your name ("referee:	you may ask questions.  ns, please fill in the evaluation temarks:" to take notes for youname") on top of the sheet.		
on to @Home for @Home / Novelty			
et			
Efficacy of on to main objective (0-10)	Elegance of solution to main objective (0-10)	Innovation/contribution of additional tasks (0-10)	Difficulty/Success of overall demonstratio (0-10)
	of the demonstration on the space below "Referee to the space below "Referee to the wing the the wi	se the space below "Remarks:" to take notes for y your name ("referee name") on top of the sheet. It is musing the "Referee" slot at the bottom.  Ontribution on to @Home for @Home / Novelty of approaches in and performance in the finals  et  Efficacy of Elegance of solution to main objective	of the demonstration you may ask questions. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet below. Instration and questions, please fill in the evaluation sheet.  Instration and questions, please fill in the evaluation sheet.  Instration and question and question sheet.  Instration and question and question and question sheet.  Instration and question and question sheet.  Instration and question sheet.  Instration and question sheet.  Instruction and quest

 $Team\ leader$ 

Referee