



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: January 6, 2025 Time: 903

2024-11-25

# Registration Form



Team name:			
Team leader name:			
Safety first!			
The speed of the robots shot than the local speed limits. pace of humans (6 kph, 3.7	During operation in an ex		_
At any time when operating immediately if there is a remember of the Technical or team to stop the robot, the	note possibility of dangerour Organizational committee	us behavior towards peoplee, an Executive or Trust	le and/or objects. If a refere tee of the federation tells th
If the team does not compimmediately by a decision members can be banned fr RoboCup Federation Truste	of the RoboCup@Home Tom future competitions for	Technical Committee. Fu	erthermore, the team and i
	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 understhe rules in the official Rob	=	atement and agree to it.	Furthermore, I agree to ob
Date & time	$\frac{}{Team\ leader}$		



Test:	Poster Session	
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

Tooms	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	

Т				1		
к	e	rr	ıa	r	ks	:

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

Remarks:



Test:	Help Me Carry				@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Following the per	son to the car	300			
Perceiving the co	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			

Total Score	1226		
Score per try	1115	 	
Duration (limit: 5:00 minutes)		 	
Recordings	111		
Outstanding performance	111	 	
Using alternative start signal	-300 -100		
Special Penalties & Bonuses Not attending	-500		
Rediscovering the operator by direct contact	-200	 	
Rediscovering the operator by asking them to come back	-150	 	
Rediscovering the operator by unnatural interaction	-100	 	
Rediscovering the operator by natural interaction	-50	 	
Deus Ex Machina Penalties			
Dropping the bag	-50	 	
Penalties			
Joining and staying in the queue on the way to the arena	300	 	
Re-reaching the starting location	200	 	
Bonus rewards			
Avoiding the area blocked with retractable barriers	50	 	
Avoiding the hard-to-see object	50	 	
Avoiding the small object on the ground	50	 	
Avoiding the crowd of people obstructing the path	50	 	
Picking up the correct bag	100	 	
Perceiving the correct beg (visualize on screen or say which one)	15	 	
Following the person to the car	300	 	
Main doui			

$\overline{Date \ \mathcal{C} \ time}$	$\overline{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$



Test:	General Purpose Service Robot			RC	@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}$ try
Main Goal Executing the tas	k associated with each command	3×400			
Bonus Rewards	a associated with each command	3~400			
	command given by a non-expert operator	3×100			
Deus Ex Machi		5×100			
Using a custom of		$3 \times -50$			
Bypassing speech		$3 \times -50$			
_	nan to perform parts of the task will apply a ecording to similar penalties in other Stage I	- '			
Special Penaltie					
Not attending		-500			
Using alternative	start signal	-100			
Outstanding perfe	ormance	150			
Recordings Duration (limit: 5	<b>::00</b> minutes)				
Score per try		1500			
Total Score Remarks:		1650			

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



Test:	Receptionist	
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)	$2 \times 15$			
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	-50			
or drink)				
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	$2 \times -200$			
Special Penalties & Bonuses				
Not attending	-500			
Outstanding performance	90			
Recordings				
Duration (limit: 5:00 minutes)				
Score per try	900			
Total Score	990			
D 1				

Remarks:

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



est: Ser	ve the Breakfast			RC	@Home
	ve the Breaklast				
eam name:					
eferee name:					
ction		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
ain Goal					
itial navigation to p	ick up area	15			
rceiving object and	categorizing it correctly (visualize or say)	$4 \times 15$			
cking up breakfast i	tems for transportation to the table	$4 \times 50$			
acing breakfast item	s on the table	$4 \times 50$			
ouring cereal into the	e bowl	300			
$onus \ Rewards$					
ouring milk into the	bowl	300			
acing a spoon next	to the bowl	100			
enalties					
rowing or dropping	an object on the table	4×-30			
illing cereal while p	ouring	-100			
illing milk while po	ıring	-100			
eus Ex Machina .	Penalties				
inting at an object		$4 \times -5$			
anding an object over	er to the robot				
human placing an o	bject on the table	$4 \times -50$			
human pouring cere	al in the bowl	-300			
pecial Penalties &	Bonuses				
ot attending		-500			
ing alternative start		-100			
ıtstanding performa	nce	117			
ecordings					
iration (limit: 5:00	minutes)				
core per try		1175			
otal Score		1292			
emarks:					
otal Score					

 $Team\ leader$ 

Referee



$\operatorname{Test}$ :	Storing Groceries	
Team name:		
Referee name:		

Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Navigating to the table		15			
Perceiving object and categorizing it con	rrectly	$5 \times 15$			
Picking up an object for transportation	to the cabinet	$5 \times 50$			
Perceiving objects in shelf and saying handled object should be placed	on which layer the currently	5×15			
Placing an object in the cabinet		$5 \times 15$			
Placing an object next to similar object	s on the cabinet	$5 \times 50$			
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	$5 \times -50$			
A human placing an object in the cabin	et	$5 \times -15$			
A human placing an object in the cabin	et next to similar objects	$5 \times -50$			
A human pointing at a target location		$5 \times -25$			
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)					
Score per try		1490			
Total Score		1639			
Remarks:					
Date & time	Referee		${Team\ le}$	eader	

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



$\Gamma\!\mathrm{est}$ :	Clean the Table			Ro	@Home
Team name:					
Referee name:					
Action		Score	$1^{st}  ext{ try}$	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Navigate to the ta	ble to pick up items	15			
Picking tableware	(cup, bowl) for transportation to the dishwasher	$2 \times 40$			
Picking up a plate	for transportation to the dishwasher	50			
Picking up cutlery	(spoon, fork) for transportation to the dishwasher	$2 \times 80$			
Placing the tablev	vare and cutlery inside the dishwasher	$5 \times 50$			
Placing an item c in the dishwasher	orrectly (cleanable, convenient like a human would)	5×50			
Bonus Rewards					
Pulling out the di	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 dishwasher	100			
Placing the dishw	asher tab inside the dishwasher's hatch intended for	200			
Deus Ex Machi	na Penalties				
		2×-40			
Handing plate ove	r to the robot	-50			
Handing cutlery o	ver to the robot	2×-80			
	place an object in the dishwasher	$5 \times -50$			
$Special\ Penaltie$					
Not attending		-500			
Using alternative	start signal	-100			
Outstanding perfe	9	170			
Recordings		1,0			
Duration (limit: 1	<b>0:00</b> minutes)				
Score per try		1705			
Total Score		1875			
Remarks:					

 $Team\ leader$ 

Referee



Test:	Enhanced General Purpose Service Ro	obot			@Home
Team name:	-				
ream name:					
Referee name:					
Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Find and clearly s	tate an encountered problem	$3 \times 150$			
Solve a problem		$3 \times 650$			
Deus Ex Mach	na Penalties				
Asking for location	_	$3 \times -150$			
	nan to perform parts of the task will a				
	eccording to similar penalties in other St	age II tests.			
Special Penaltic	$es~ {\it \& Bonuses}$				
Not attending		-500			
Using alternative		-100			
Outstanding perfe	ormance	240			
Recordings Duration (limit: 1	<b>.0:00</b> minutes)				
Score per try		2400			
Total Score		2640			
Remarks:					



Test:	Restaurant	
Team name:		
Referee name:		

Action	$\mathbf{Score}$	$1^{st}$ <b>try</b>	$2^{nd}$ 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	$2 \times -200$			
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	$4 \times -50$			
Being told/pointed where is a table/Kitchen-bar	$2 \times -100$			
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:



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	

#### Score Shoot



ocore or	1000	Robo Cup @Home
Test:	Final Demonstration — Jury Evaluation	enome
Team name:		
Referee name:		
Instructions:		
1 Please watc	h all demonstrations carefully	

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

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



of the demonstration nstration and question 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.  Instration and question sheet.  Instration and question sheet.  Instruction and questio

 $Team\ leader$ 

Referee