



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: December 9, 2024 Time: 864

2024-12-09

# Registration Form



Team name:			
Team leader name:			
Safety first!			
_	During operation in an e		ot is not allowed to go faster it may not exceed a walking
immediately if there is a rer	note possibility of dangerou or Organizational committe	us behavior towards peoplee, an Executive or Trust	wners have to stop the robot e and/or objects. If a referee, ee of the federation tells the opped <i>immediately</i> .
immediately by a decision	of the RoboCup@Home Trom future competitions for	Technical Committee. Fu	om the ongoing competition rthermore, the team and its a year by a decision of the
	Robot 1	Robot 2	
Size of the robot	100001	100001 2	
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 the rules in the official Rob		eatement and agree to it.	Furthermore, I agree to obey
Date & time	Team leader		



Test:	Poster Session	Gilon
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	

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		<u> </u>
e & time	Referee	$Team\ leader$



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	brrect bag	100			

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

Re	mar	ks:
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Date & time	Referee	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$



Test:	General Purpose Service Robot				@Hom
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Executing the tas	sk associated with each command	$3 \times 400$			
Bonus Rewards	3				
Understanding a	command given by a non-expert operator	$3 \times 100$			
Deus Ex Mach	ina Penalties				
Using a custom of	perator	$3 \times -50$			
Bypassing speech	recognition	$3 \times -50$			
	nan to perform parts of the task will apply a according to similar penalties in other Stage I t				
Special Penalti	$es~~ {\it \&}~~ Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Outstanding perf	ormance	150			
Recordings					
Duration (limit:	<b>5:00</b> minutes)				
Score per try		1500			
Total Score Remarks:		1650			

Date $\mathscr E$ time	Referee	Team leader



Test:	Receptionist			RC	@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal		0 15			
_	o the other guests (navigate to the guest group)	2×15			
	tion of navigation or at the navigation goal	2×50			
`	guest to every other guest and the host	2×50			
Offer a free seat t	9	2×100			
Look at the person	9	2×25			
_	on the robot is introducing the guest to	$2 \times 50$			
Bonus Rewards		2×100			
•	e door for a guest guest to the second guest (per corect attribute)	$2\times100$ $4\times30$			
	guest to the second guest (per corect attribute) guest to the second guest (per incorrect attribute)	4×30 4×-30			
Penalties	guest to the second guest (per incorrect attribute)	4×-30			
	rmation was memorized (continue with wrong name	e -50			
Persistent inappro	opriate gaze (away from conversational partner)	-50			
Persistent gaze no	ot in the direction of the navigation while moving.	-10			
Deus Ex Mach	ina				
Alternative HRI		$2 \times -75$			
Not recognizing p	eople	$2 \times -200$			
Special Penaltic	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Outstanding perfe	ormance	90			
Recordings Duration (limit: {	<b>5:00</b> minutes)				
Score per try		900			

Remarks:

**Total Score** 

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

990



Test:	Serve the Breakfast				@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Initial navigation	to pick up area	15			
Perceiving object	and categorizing it correctly (visualize or say)	$4 \times 15$			
Picking up breakt	fast items for transportation to the table	$4 \times 50$			
Placing breakfast	items on the table	$4 \times 50$			
Pouring cereal int	to the bowl	300			
Bonus Rewards	3				
Pouring milk into	the bowl	300			
Placing a spoon r	next to the bowl	100			
Penalties					
Throwing or drop	pping an object on the table	4×-30			
Spilling cereal wh	ile pouring	-100			
Spilling milk whil	e pouring	-100			
Deus Ex Mach	ina Penalties				
Pointing at an ob	ject	$4 \times -5$			
Handing an object	et over to the robot	$4 \times -50$			
A human placing	an object on the table	$4 \times -50$			
A human pouring	g cereal in the bowl	-300			
$Special\ Penalti$	$es~ {\it \&}~ Bonuses$				
Not attending		-500			

Score per try 1175 \_\_\_\_ \_\_\_

-100

117

1292

Remarks:

**Total Score** 

Recordings

Using alternative start signal

Duration (limit: 5:00 minutes)

Outstanding performance

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

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



				Ro	boCu @Hon
Test:	Storing Groceries				
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Navigating to the	table	15			
Perceiving object	and categorizing it correctly	$5 \times 15$			
0 .	ect for transportation to the cabinet	$5 \times 50$			
Perceiving objects handled object sho	s in shelf and saying on which layer the current ould be placed	sly $5 \times 15$			
Placing an object	in the cabinet	$5 \times 15$			
Ů,	next to similar objects on the cabinet	$5 \times 50$			
Bonus Rewards	at dans with ant houses halo	000			
= =	net door without human help	200			
Picking up a tiny obj	· ·	70			· <del></del>
Placing a tiny obje Picking up a heav		30 70			
Ficking up a neav Placing a heavy of	•	70 30			
Deus Ex Machin	·	30			
	an object over to the robot	$5 \times -50$			
=	an object over to the robot an object in the cabinet	$5 \times -30$ $5 \times -15$			-
	an object in the cabinet next to similar objects	$5 \times -50$			-
	at a target location	$5 \times -25$			-
$egin{array}{ccc} Special & Penaltie \end{array}$	9	0 × 20			-
Special Fenalite Not attending	s & Donuses	-500			
Using alternative s	start signal	-100			
Outstanding perfo	0				
$egin{aligned} Recordings \end{aligned}$		114			
Recordings Duration (limit: 5	:00 minutes)				
Score per try		1140			
		1051			
Total Score		1254			

Referee $Team\ leader$ 

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



Test:	Clean the Table			RC	@Home
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 dishwasher	$2\times40$			
Picking up a plate	for transportation to the dishwasher	50			
Picking up cutlery	(spoon, fork) for transportation to the dishwasher	2×80			
Placing the tablew	are and cutlery inside the dishwasher	$5 \times 50$			
Placing an item co in the dishwasher	orrectly (cleanable, convenient like a human would	.) 5×50			
$Bonus\ Rewards$					
Pulling out the dis	shwasher rack	100			
Pushing in the dis	hwasher rack	100			
Opening the dishw	rasher door	200			
Closing the dishwa	sher door	200			
Picking up the dis	hwasher tab for transportation to the dishwasher	100			
Placing the dishwathe tab	asher tab inside the dishwasher's hatch intended fo	or 200			
Deus Ex Machie	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	lace an object in the dishwasher	$5 \times -50$			
Special Penaltie	$s \ {\it \& Bonuses}$				
Not attending		-500			
Using alternative s	etart signal	-100			
Outstanding perfo	rmance	170			
<b>Recordings</b> Duration (limit: 1	<b>0:00</b> minutes)				
		1705			
Score per try					
Score per try Total Score		1875			

 $Team\ leader$ 

Referee



		. 1		AC	@Home
Test:	Enhanced General Purpose Service R	lobot			
Team 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 Machi	$na\ Penalties$				
Asking for location	-	$3 \times -150$			
	an to perform parts of the task will coording to similar penalties in other S				
Special Penaltie	$s \ {\it \& Bonuses}$				
Not attending		-500			
Using alternative s		-100			
Outstanding perfo	rmance	240			
Recordings Duration (limit: 1	<b>0:00</b> minutes)				
Score per try		2400			
Total Score		2640			
Remarks:					



Test:	Restaurant				@Home
Team name:					
Referee name:					
Action		$\mathbf{Score}$	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Regular\ Rewards}$					
Detect calling or wa	aving 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	$2 \times 200$			
$Regular\ Penaltie$					
	ntact when taking an order	$2 \times -80$			
Not reaching the be with the robot)	ar (barman has to move from behind the bar to int	eract $2 \times -80$			
Deus ex Machine	a Penalties				
Being guided to a t	able	$2 \times -200$			
Asking the Barman	to handover object to the robot	$4 \times -50$			
Guest needing to ta	ake 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	${\it \& Bonuses}$				
Not attending		-500			
Using alternative st	art signal	-100			
Outstanding perfor	mance	200			
Recordings					
Duration (limit: 15	:00 minutes)				

2000

2200

Remarks:

Score per try

**Total Score** 

Date $\ensuremath{\mathscr{C}}$ time	$\frac{}{Referee}$	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 & time	$\overline{Referee}$	Team leader
RoboCup@Ho	ome Forms & Score Sheets / Draft version for Rob	oCup 2025 (Revision 2024-12-09_1)

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



ation and questione space below "I r name ("referee	n you may ask questions.  ons, please fill in the evaluation Remarks: to take notes for your name) on top of the sheet.  ee slot at the bottom.		
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o @Home @Home / Novelty			
ficacy of o main objective (0-10)	Elegance of solution to main objective (0-10)	Innovation/contribution of additional tasks (0-10)	Difficulty/Success of overall demonstration (0-10)
,		,	

 $Team\ leader$ 

Referee