



# RoboCup@Home

Forms & Score Sheets

 $\begin{array}{cccc} & Version:\ 2026 & 1 \\ Last\ Build\ Date:\ July\ 29,\ 2025 & Time:\ 701 \end{array}$ 

st Build Date: July 29, 2025 2025-07-29

# Registration Form



Team name:			
Team leader name:			
Safety first!			
_	. During operation in an e		obot is not allowed to go faster as it may not exceed a walking
immediately if there is a rea	mote possibility of dangeror or 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 Trom 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			
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 Rol		tatement and agree to it	. Furthermore, I agree to obey
$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$Team\ leader$		



Test:	Poster Session	Ondin
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	$\overline{Referee}$	$\overline{Team\ leader}$
Pate O time	пејетее	ream teauer

Not attending

Recordings

Restart after (sec)

Score per try

Remarks:

Using alternative start signal Outstanding performance

Duration (limit: 5:00 minutes)



Test:	Help Me Carry				@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Following the per	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-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			
Deus Ex Mach	ina 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					
$Special\ Penalties\ {\it \&Bonuses}$					

-500 -100

111

1115

Total Score 1226

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

 $Special\ Penalties\ \ \ Bonuses$ 

Using alternative start signal

Not attending

Remarks:



<b>T</b>				Ro	boCup @Home
Test:	General Purpose Service Robot				
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}  ext{ try}$
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 o	perator				
Bypassing speech recognition		$3 \times -50$			
Instructing a hur	man to perform parts of the task will apply a	per- $3 \times -400$			
centage penalty a	ccording to similar penalties in other Stage I to	ests.			

Outstanding performance 150 RecordingsDuration (limit: 5:00 minutes) Restart after (sec) Score per try 1500 **Total Score** 1650

-500

-100

te & time	Referee	$\overline{Team\ leader}$
RoboCup@Ho	me Forms & Score Sheets / Draft version for Robo	oCup 2026 (Revision 2025-07-29 <sub>-</sub> 1)

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



$\Gamma\!\mathrm{est}$ :	Receptionist			Ro	BoCup @Home
iest.	Receptionist				
Team name:					
Referee name:					
Action		Score	$1^{st} \; \mathbf{trv}$	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Offer a free seat to	the new guest	2×100			
	ound (navigate to the beverage area and living room)	$2 \times 30$			
Look in the direct	ion of navigation or at the navigation goal	$2 \times 15$			
Tell position of fa	vorite drink	$2 \times 20$			
Look at the person	n talking	$2 \times 75$			
Introduce both gu	ests to each other	180			
Bonus Rewards					
Open the entrance	e door for a guest	$2 \times 200$			
State a similarity	between an interest between two or more persons	50			
Describe the first room (per correct	guest to the second guest before reaching the living visual attribute)	4×30			
Penalties					
Wrong guest infordrink or interest)	mation was memorized (continue with wrong name,	6×-20			
	guest to the second guest before reaching the living ct visual attribute)	4×-30			
Introduce the wro	ng persons	-120			
Deus Ex Machi	na				
Alternative HRI		$2\times-75$			
Not recognizing p	eople	$2 \times -200$			
$Special\ Penaltie$	$es~~ {\cal E}~~ Bonuses$				
Not attending		-500			
Outstanding perfe	ormance	123			
Recordings					
Duration (limit: 6	<b>6:00</b> minutes)				
Restart after (sec)					
Score per try		1230			
Total Score		1353			
Remarks:					

 $Team\ leader$ 

Referee

Test:	Storing Groceries
Team name:	
Referee name:	

Main Goal  Navigating to the table  Perceiving object and categorizing it correctly  Picking up an object for transportation to the cabinet		$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Perceiving object and categorizing it correctly				
	15			
Picking up an object for transportation to the cabinet	$5 \times 15$			
reming up an object for transportation to the easinet	$5 \times 50$			
Perceiving objects in shelf and saying on which layer the currently handled object should be placed	5×15			
Placing an object in the cabinet	$5 \times 15$			
Placing an object next to similar objects on the cabinet	$5 \times 50$			
Opening the first cabinet door	200			
Opening the second cabinet door	100			
Pouring cereal into the container	300			
Bonus Rewards				
Picking up an object from the shopping bag	$5 \times 50$			
Picking up a tiny object	70			
Placing a tiny object	30			
Picking up a heavy object	70			
Placing a heavy object	30			
Autonomously Picking any Object	50			
Autonomously Placing any Object	50			
Deus Ex Machina Penalties				
Perceiving object and categorizing it wrongly	$10 \times -15$			
A human handing an object over to the robot	$5 \times -50$			
A human placing an object in the cabinet	$5 \times -15$			
A human placing an object in the cabinet next to similar objects	$5 \times -50$			
A human pointing at a target location	$5 \times -25$			
A human opening the first cabinet door	-200			
A human opening the second cabinet door	-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	189			
Recordings				
Duration (limit: 7:00 minutes)				
Restart after (sec)				
Score per try	1890			
Total Score	2079			



Test:	Clean the Table
Team name:	
Referee name:	

Action		$\mathbf{Score}$	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Navigate to the table to pick up	items	15			
Picking up the cup, bowl and dri	nks for transportation	$4 \times 50$			
Picking up cutlery (spoon, fork)	for transportation	$2 \times 80$			
Picking up the plate for transpor	tation	100			
Placing the tableware and cutlery	y inside the dishwasher	$5 \times 50$			
Placing an item correctly (cleans in the dishwasher	able, convenient like a huma	n would) $5 \times 75$			
Placing a drink inside the trash b	oin	$2 \times 50$			
Bonus Rewards					
Pulling and pushing the dishwash	ner rack	$2 \times 100$			
Opening and closing the dishwash		$2 \times 200$			
Picking up the dishwasher tab for	r transportation to the dishv	vasher 100			
Placing the dishwasher tab inside	=				
the tab					
Wiping the area where the drink	was	$2 \times 50$			
Autonomously Picking any Object	et	50			
Autonomously Placing any Object	et	50			
Deus Ex Machina Penalties					
Handing cup, bowl and drinks ov	er to the robot	$3 \times -50$			
Handing cutlery over to the robo		$2 \times -80$			
Handing the plate over to the role		-100			
Having a human place an object		$5 \times -50$			
Having a human place a drink in		$2 \times -50$			
A human pointing at the trash b		$2 \times -25$			
Special Penalties & Bonuses					
Not attending		-500			
Using alternative start signal		-100			
Outstanding performance		230			
Recordings					
Duration (limit: 10:00 minutes)					
Restart after (sec)					
Score per try		2300			
Total Score		2530			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Enhanced General Purpose Service Robot			Ro	@Home
Team name:	·				
Referee name	:				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
•	can be repeated unlimited times)				
`	y state an encountered problem	3×150			
Solve a problem	1	$3 \times 650$			
Penalties		100			
	oroblem category	−100 −300			
	d problem category for the 2nd time d problem category for the 3rd (or more) time	-300 -500			
	s are applied before any percentage based De				
Deus Ex Mac	china Penalties				
	tion of a problem	$3 \times -150$			
percentage pena	uman to perform parts of the task will apply a alty according to similar penalties in other				
Stage II tests.		$3 \times -650$		-	
-	$ties  {\it {\it U}}  Bonuses$				
Not attending		-500			
Using alternativ	_	-100			
Outstanding pe	rrormance	240			
Recordings Duration (limit Restart after (s	: <b>10:00</b> minutes) ec)				
Score per try		2400			
Total Score		2640			
Referee Infor	mation: Note each problem (category, item, loss		ark if the	y are stat	ed by the
Remarks:					
Date & time	Referee		Team le	eader	



Test:	Restaurant	
Team name:		
Referee name:		

Action	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards			<u> </u>	
Detect calling or waving customer	$2 \times 100$			
Reach a customer's table without prior guidance/training	$2 \times 100$			
Understand and confirm the order received to the customer	$2 \times 200$			
Communicate the order to the barman	$2 \times 100$			
Return to the customer table with the order	$2 \times 100$			
Serve the order to the customer	$2 \times 200$			
Bonus Rewards				
Use an unattached tray to transport	$2 \times 200$			
Regular Penalties				
Being guided to a table	$2 \times -200$			
Not making eye-contact when taking an order	$2 \times -80$			
Not reaching the bar (barman has to move from behind the bar to in	teract $2 \times -80$			
with the robot)				
Deus ex Machina Penalties				
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	$2 \times -100$			
$Special\ Penalties\ {\it \&Bonuses}$				
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	Referee	Team leader



Test:	New HRI			The state of the s	@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}  ext{ try}$
Regular Reward	ls				
Approach a calling	g operator	100			
Approach the hun	nan's hand without contact	$5 \times 50$			
Receive an object	from the operator	$5 \times 100$			
Use natural intera	action to clarify ambiguous delivery locations	$5 \times 50$			

Place an object at the correct location  $5 \times 100$ PenaltiesInitiating unattended interaction (e.g., talking to the open air)  $5 \times -50$ Place an object at the wrong location or by guessing the intended  $5 \times -75$ location Deus Ex Machina Penalties Instruct the user how to hand over an object  $5\times -75$ Special Penalties & Bonuses Not attending -500Using alternative start signal -100Outstanding performance 160 RecordingsDuration (limit: 10:00 minutes) Restart after (sec) Score per try 1600 **Total Score** 1760

Remarks:

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



<b>T</b>			RoboCup @Home
Test:	Final Demonstration		
Team name:		_	
Referee name:		_	
Action		Score	Single try
•	n be repeated unlimited times)		
	state an encountered EGPSR problem	$3 \times 150$	
Solve a EGPSR p		$3 \times 650$	
	r of the Apartment	600	
Closing the Dishw		600	
Closing a Cabinet	5 Door	300	
Custom Task			
Custom Task			
Custom Task			
Penalties			
=	GPSR problem category	-100	
	EGPSR problem category for the 2nd time	-300	
	EGPSR problem category for the 3rd (or more) time	-500	
Deus Ex Mach			
Asking for location	_	$3 \times -150$	
,	lies if the robot continues scoring afterwards)	-50	
_	nan to perform parts of the task will apply a		
	y according to similar penalties in other		
Stage II tests.		$3 \times -650$	
Recordings			
Duration (limit: 1	,		
Restart after (sec			
Total Score		$3900$ _	
Referee Inform robot in remarks	ation: Note each problem (category, item, location)	and mark if the	hey are stated by the
Remarks:			
Date $& time$	Referee	Team	leader