



RoboCup@Home

Forms & Score Sheets

 $\begin{array}{cccc} & Version: \ 2025 & 1 \\ Last \ Build \ Date: \ May \ 23, \ 2025 & Time: \ 427 \end{array}$

2025-05-23

Registration Form



Team name:			
Team leader name:			
Safety first!			
_	. During operation in an en		cobot is not allowed to go faster ans it may not exceed a walking
immediately if there is a remember of the Technical of	mote possibility of dangerou	ns behavior towards pec ee, an Executive or Tru	owners have to stop the robot ople and/or objects. If a referee, ustee of the federation tells the stopped <i>immediately</i> .
immediately by a decision	of the RoboCup@Home Trom future competitions for	Cechnical Committee.	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 Ro		atement and agree to i	t. Furthermore, I agree to obey
Date & time	$\overline{Team\ leader}$		



Test:	Poster Session	· SHOP
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	- $Referee$	$$ $$ $Team\ leader$	



Test:	Help Me Carry	
Team name:		-
Referee name:		-

Action	Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal	Deore	1 61 y	2 tiy	5 try
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			
$Special\ Penalties\ {\it \&Bonuses}$				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	111			
Recordings				
Duration (limit: 5:00 minutes)				
Restart after (sec)				
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	Caana	1 <i>st</i> 4	ond 4	2rd 4
Action	Score	1° try	2^{nd} try	3' " try
Main Goal				
Executing the task associated with each command	3×400			
Bonus Rewards				
Understanding a command given by a non-expert operator	3×100			
Deus Ex Machina Penalties				
Using a custom operator	3×-50			
Bypassing speech recognition	3×-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 & Bonuses				
Not attending	-500			
Using alternative start signal	-100	-		
Outstanding performance	150			
Recordings				
Duration (limit: 5:00 minutes)				
Restart after (sec)				
Score per try	1500			
Total Score Remarks:	1650			

 $\overline{Date~\&~time}$ $\overline{Referee}$ $\overline{Rem~leader}$ RoboCup@Home Forms & Score Sheets / Final version for RoboCup 2025 (Revision 2025-05-23_1)



Test:	Receptionist			Ro	@Hom
Team name:					
Referee name: _					
Action		Score	$1^{st} ext{ try}$	2^{nd} try	3^{rd} try
Main Goal					
Offer a free seat to	the new guest	2×100			
Show the guest arou	nd (navigate to the beverage area and living room)	2×30			
Look in the directio	n of navigation or at the navigation goal	2×15			
Tell position of favo	rite drink	2×20			
Look at the person	talking	2×75			
Introduce both gues	its to each other	180			
Bonus Rewards					
Open the entrance of	loor for a guest	2×200			
State a similarity be	etween an interest between two or more persons	50			
Describe the first guroom (per correct v	est to the second guest before reaching the living isual attribute)	4×30			
Penalties					
Wrong guest inform drink or interest)	ation was memorized (continue with wrong name,	6×-20			
Describe the first guroom (per incorrect	est to the second guest before reaching the living visual attribute)	4×-30			
Introduce the wrong	g persons	-120			
Deus Ex Machine	a				
Alternative HRI		2×-75			
Not recognizing peo	ple	2×-200			
$Special\ Penalties$	& Bonuses				
Not attending		-500			
Outstanding perform	mance	123			
Recordings					
Duration (limit: 6:0	00 minutes)				
Restart after (sec)					
Score per try		1230			
Total Score		1353			
Remarks:					

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

RoboCup @Home

f 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	5×15			
reming up an object for transportation to the easinet	5×50			
Perceiving objects in shelf and saying on which layer the currently handled object should be placed	5×15			
Placing an object in the cabinet	5×15			
Placing an object next to similar objects on the cabinet	5×50			
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	5×50			
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×-15			
A human handing an object over to the robot	5×-50			
A human placing an object in the cabinet	5×-15			
A human placing an object in the cabinet next to similar objects	5×-50			
A human pointing at a target location	5×-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		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 drinks for	transportation	4×50			
Picking up cutlery (spoon, fork) for train	nsportation	2×80			
Picking up the plate for transportation	-	100			
Placing the tableware and cutlery inside	e the dishwasher	5×50			
Placing an item correctly (cleanable, coin the dishwasher	onvenient like a human would	d) 5×75			
Placing a drink inside the trash bin		2×50			
Bonus Rewards					
Pulling and pushing the dishwasher rack	k	2×100			
Opening and closing the dishwasher doc		2×200			
Picking up the dishwasher tab for trans	portation to the dishwasher	100			
Placing the dishwasher tab inside the d		or 200			
the tab					
Wiping the area where the drink was		2×50			
Autonomously Picking any Object		50			
Autonomously Placing any Object		50			
Deus Ex Machina Penalties					
Handing cup, bowl and drinks over to t	he robot	3×-50			
Handing cutlery over to the robot		2×-80			
Handing the plate over to the robot		-100			
Having a human place an object in the	dishwasher	5×-50			
Having a human place a drink inside th		2×-50			
A human pointing at the trash bin		2×-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	Referee		Team le	eader	



Test:	Enhanced General Purpose Service Robot				@Home
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
•	be repeated unlimited times)				
=	tate an encountered problem	3×150			
Solve a problem		3×650			
Penalties					
Find repeated pro		-100			
	problem category for the 2nd time	-300			
	problem category for the 3rd (or more) time	-500			
These Penalties Machina Penalties	are applied before any percentage based Dev s	us Ex			
Deus Ex Machi	na Penalties				
Asking for location	n of a problem	3×-150			
_	an to perform parts of the task will apply a y according to similar penalties in other				
Stage II tests.		3×-650			
Special Penaltie	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative		-100			
Outstanding perfo	ormance	240			
Recordings Duration (limit: 1 Restart after (sec)	,				
Score per try		2400			
Total Score		2640			
Referee Informarobot in remarks	ation: Note each problem (category, item, lo	ecation) and ma	ark if the	y are stat	ed by the
Remarks:					
Date & time			Team le	eader	

Remarks:



Test:	Restaurant	@Но
Team name:		-
Referee name:		-

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

 $\overline{Date~\mathscr{E}~time}$ $\overline{Referee}$ $\overline{Team~leader}$



Test:	New HRI	
Team name:		
Referee name:		

Action	Score	1^{st} try	2^{nd} try	ard tra
Regular Rewards	Beore	1 01 y	2 01 y	5 try
Approach a calling operator	100			
Approach the human's hand without contact	5×50			
Receive an object from the operator	5×100			
Use natural interaction to clarify ambiguous delivery locations	5×50			
Place an object at the correct location	5×100			
Penalties	071200			
Initiating unattended interaction (e.g., talking to the open air)	5×-50			
Place an object at the wrong location or by guessing the intend				
location	.ca <i>o</i>			
Deus Ex Machina Penalties				
Instruct the user how to hand over an object	5×-75			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	160			
Recordings	100			
Duration (limit: 10:00 minutes)				
Restart after (sec)				
Score per try	1600			
Total Score	1760			



Test:	Final Demonstration		RoboCup @Home
Team name:			
Referee nam		_	
Action		Score	Single try
Main Goal	(can be repeated unlimited times)		
	rly state an encountered EGPSR problem	3×150	
Solve a EGPS	SR problem	3×650	
Opening the I	Door of the Apartment	600	
Closing the D	ishwasher	600	
Closing a Cab	inet Door	300	
Custom Task			
Custom Task			
Custom Task			
Penalties			
Find repeated	EGPSR problem category	-100	
Solving repeat	ted EGPSR problem category for the 2nd time	-300	
Solving repeat	ted EGPSR problem category for the 3rd (or more) time	-500	
Deus Ex Me	achina Penalties		
Asking for loc	eation of a problem	3×-150	
Restart (only	applies if the robot continues scoring afterwards)	-50	
Instructing a	human to perform parts of the task will apply a		
percentage pe	nalty according to similar penalties in other		
Stage II tests.		3×-650	
Recordings			
Duration (lim	it: 10:00 minutes)		
Restart after	(sec)		
T-4-1 C		2000	
Total Score		3900 _	
Referee Information robot in remainstrated in remainstrated in the control of the	prmation: Note each problem (category, item, location) arks	and mark if the	hey are stated by the
Remarks:			
Date & time	Referee	Team	leader