



RoboCup@Home

Forms & Score Sheets

 $\begin{array}{cccc} & Version:\ 2025 & 1 \\ Last\ Build\ Date:\ May\ 12,\ 2025 & Time:\ 643 \end{array}$

2025-05-12

Registration Form



Team name:			
Team leader name:			
Safety first!			
-	. During operation in an ϵ		obot is not allowed to go faster as it may not exceed a walking
immediately if there is a rea	note possibility of dangero or Organizational committ	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 rom future competitions f	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	stood the "Safety First" s	tatement and agree to it	. Furthermore, I agree to obey
the rules in the official Rol			, Gv
Date & time	$\overline{Team\ leader}$		



Test:	Poster Session	SHOW
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



Test:	Help Me Carry			The state of the s	@Home
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
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	l-to-see object	50			
Avoiding the area	blocked with retractable barriers	50			
Danua manuanda					

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)		 	
Restart after (sec)		 	
Score per try	1115	 	
Total Score	1226	 	
Remarks:			

Date & time	Referee	$Team\ leader$



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

Action	\mathbf{Score}	1^{st} try	2^{nd} try	3^{rd} 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 p	er- <i>3</i> ×- <i>400</i>			
centage penalty according to similar penalties in other Stage I test	ts.			
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	1650			
Remarks:				

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



T				Ro	boCup @Home
Test:	Receptionist				
Team name:					
Referee name:					
Action		Score	1st try	2^{nd} try	3^{rd} try
Main Goal		Score	1 61 y	2 ti y	5 try
Offer a free seat t	o the new guest	2×100			
	ound (navigate to the beverage area and living room)				
=	ion of navigation or at the navigation goal	2×15			
Tell position of fa		2×20			
Look at the perso		2×75			
	nests to each other	180			
$Bonus \; Rewards$		100			
	e door for a guest	2×200			
•	between an interest between two or more persons	50			
·	guest to the second guest before reaching the living				
room (per correct		47.00			
Penalties	,				
	mation was memorized (continue with wrong name,	6×-20			
drink or interest)	(
Describe the first	guest to the second guest before reaching the living ct visual attribute)	4×-30			
Introduce the wro	,	-120			
Deus Ex Machi					
Alternative HRI		2×-75			
Not recognizing p	eople	2×-200			
Special Penaltie	_				
Not attending		-500			
Outstanding perfe	ormance	123			
Recordings					
Duration (limit: 6	3:00 minutes)				
Restart after (sec)	,				
Score per try		1230			
Total Score		1353			
Remarks:					

Referee $Team\ leader$

Test:	Storing Groceries
Team name:	
Referee name:	

Action	Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal				
Navigating to the table	15			
Perceiving object and categorizing it correctly	5×15			
Picking up an object for transportation to the cabinet	5×50			
Perceiving objects in shelf and saying on which layer the currently	$y = 5 \times 15$			
handled object should be placed				
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 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	900			
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	-100 189			
	109			·
Recordings Duration (limit: 7:00 minutes)				
,				
Restart after (sec)				
Score per try	1890			
Total Score	2079			

Remarks:		
$\overline{\textit{Date \& time}}$	Referee	Team leader



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:	
A 1.	and i
	$\frac{3^{rd} \text{ try}}{}$
Main Goal (can be repeated unlimited times) Find and clearly state an encountered problem $3 \times 150 \underline{\hspace{1cm}} \underline{\hspace{1cm}}$	
Solve a problem 3×650	
Penalties	
Find repeated problem category -100	
Solving repeated problem category for the 2nd time -300	
Solving repeated problem category for the 3rd (or more) time -500	
These Penalties are applied before any percentage based Deus Ex Machina Penalties	
Deus Ex Machina Penalties	
Asking for location of a problem 3×-150	
Instructing a human to perform parts of the task will apply a	
percentage penalty according to similar penalties in other	
Stage II tests. 3×-650	
Special Penalties & Bonuses	
Not attending -500	
Using alternative start signal -100	
Outstanding performance 240	
Recordings	
Duration (limit: 10:00 minutes)	
Restart after (sec)	
Score per try 2400	
Total Score 2640	
Referee Information: Note each problem (category, item, location) and mark if they are stated	by the
robot in remarks	by the
Remarks:	
$egin{array}{cccccccccccccccccccccccccccccccccccc$	



Test:	Restaurant	@#
Team name:		
Referee name:		

Action	Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Rewards		-		
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 inte	eract 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			
$Special\ Penalties\ {\mathfrak E}\ Bonuses$				
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:

$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$-rac{-}{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$



				Ro	boCup @Home
Test:	New HRI				
Team name:					
Referee name:					
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Reward	s				
Approach a calling	g operator	100			
Approach the hun	nan's hand without contact	5×50			
Receive an object	from the operator	5×100			
Use natural intera	ction to clarify ambiguous delivery locations	5×50			
Place an object at	the correct location	5×100			
Penalties					
Initiating unatten	ded interaction (e.g., talking to the open air)	5×-50		-	
Place an object a location	at the wrong location or by guessing the inter	$ \operatorname{nded} 5 \times -75 $			
Deus Ex Machi	na Penalties				
Instruct the user h	now to hand over an object	5×-75			
Special Penaltie	$s \ \mathcal{E} \ Bonuses$				
Not attending		-500		-	
Using alternative	start signal	-100		-	
Outstanding perfo		160			
Recordings					
Duration (limit: 1	0:00 minutes)				
Restart after (sec)					
Score per try		1600			
Total Score		1760			
Remarks:					

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



T			RoboCup @Home	
Test:	Final Demonstration			
Team name:		_		
Referee name:		_		
Action		Score	Single try	
•	n be repeated unlimited times)			
	state an encountered EGPSR problem	3×150		
Solve a EGPSR p		3×650		
	r of the Apartment	600		
Closing the Dishv		600		
Closing a Cabinet	t 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 of a problem		3×-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×-650		
Recordings				
Duration (limit: 1	,			
Restart after (sec)			
Total Score		3900 _		
Referee Inform robot in remarks	ation: Note each problem (category, item, location) a	and mark if the	hey are stated by the	
Remarks:				
Date & time	Defense		landar	
Dute & time	Referee	1eam	$Team\ leader$	