



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: September 30, 2024  $\,$  Time: 478  $\,$ 

2024-09-09

# 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	· 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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	ਢ		10		n. ¬.

_	

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



alize on screen or say which one) estructing the path e ground retractable barriers	Score  300 15 100 50 50 50 50		2 <sup>nd</sup> try	
alize on screen or say which one) estructing the path e ground retractable barriers	300 15 100 50 50 50			
alize on screen or say which one) estructing the path e ground retractable barriers	300 15 100 50 50 50			
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e ground retractable barriers	15 100 50 50 50			
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e ground retractable barriers	50 50 50			
e ground retractable barriers	50 50			
retractable barriers	50			
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n	50			
	200			
e on the way to the arena	300			
, and the second				
	-50			
,	00			
	-50			
_				
	200			
s	500			
	111			
	1115			
	1226			
1	s natural interaction unnatural interaction asking them to come back direct contact es	natural interaction $-50$ nnatural interaction $-100$ asking them to come back $-150$ lirect contact $-200$ as $-500$ $-100$ $-111$ $-1115$	1115     1115     1115     1115     1115     1100     1115     1100     1115	1115

 $Team\ leader$ 

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



Test:	General Purpose Service Robot			RC	@Home
Team name:					
Referee name	:				
The maximum t	time for this test is 5 minutes.				
Action		Score	$1^{st}$ <b>trv</b>	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
	ask associated with each command	3×400			
Bonus Reward	ds				
Understanding a	a command given by a non-expert operator	$3 \times 100$			
Deus Ex Mac	hina Penalties				
Using a custom	operator	$3 \times -50$			
Bypassing speed	th recognition	$3 \times -50$			
_	ıman to perform parts of the task will apply a				
centage penalty	according to similar penalties in other Stage I t	tests.			
-	$ties~ {\it \& Bonuses}$				
Not attending		-500			
Using alternativ		-100			
Outstanding per	rformance	150			
~ .		4700			
Score per try		1500			
Total Score		1650			
Remarks:		1000			

 $Team\ leader$ 



Test:	Receptionist			Ro	boCup @Home
	Receptionist				
Team name:					
Referee name:	-				
The maximum tin	ne for this test is 5 minutes.				
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 direct	ion of navigation or at the navigation goal	$2 \times 50$			
Introduce a new g	uest 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	n talking	$2 \times 25$			
Look at the person	n the robot is introducing the guest to	$2 \times 50$			
-	social performance	50			
$Bonus\ Rewards$	•				
Open the entrance	e door for a guest	2×100			
=	guest to the second guest (per corect attribute)	4×30			
	guest to the second guest (per corect attribute)	4×-30			
Penalties	guest to the second guest (per incorrect attribute)	4/ 00			
	mation was memorized (continue with wrong name	-50			
<i>'</i>	priate gaze (away from conversational partner)	-50			
	t in the direction of the navigation while moving.	-1 <i>0</i>		<del></del>	
$oldsymbol{Deus}$ $oldsymbol{Ex}$ $oldsymbol{Machi}$		10			
Alternative HRI	na	$2\times-75$			
Not recognizing p	oonlo	$2\times -200$			
	_	ZX -200			
$Special\ Penaltie$	s & Bonuses	<b>500</b>			
Not attending		-500	-		
Outstanding perfo	rmance	95			
Score per try		950			
Total Score		1045			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Serve the Breakfast			RC	@Home
Team name	:				
Referee nan	ne:				
The maximum	n time for this test is 5 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Initial naviga	tion to pick up area	15			
Perceiving ob	ject and categorizing it correctly (visualize or say)	4×15			
Picking up br	reakfast items for transportation to the table	4×50			
Placing break	fast items on the table	$4 \times 50$			
Pouring cerea	d into the bowl	300			
Bonus Rew	ards				
Pouring milk	into the bowl	300			
Placing a spo	on next to the bowl	100			
Penalties					
Throwing or	dropping an object on the table	4×-30			
Spilling cerea	l while pouring	-100			
Spilling milk	while pouring	-100			
Deus Ex M	achina Penalties				
Pointing at a	n object	$4 \times -5$			
Handing an o	bject over to the robot	$4 \times -50$			
A human place	cing an object on the table	$4 \times -50$			
A human pou	ring cereal in the bowl	-300			
Special Pen	$alties  {\it \& Bonuses}$				
Not attending	r 5	-500			
Using alterna	tive start signal	-100			
Outstanding	performance	117			
Score per tr	ry	1175			
Total Score		1292			
Remarks:					
Date & time	Referee		Team le	eader	

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



$\Gamma\!\mathrm{est}$ :	Storing Groceries			RC	@Home
	Storing Groceries				
Team name:					
Referee name:					
Γhe maximum tim	ne for this test is 5 minutes.				
Action		$\mathbf{Score}$	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal			-	-	-
Navigating to the	table	15			
Perceiving object a	and categorizing it correctly	$5 \times 15$			
	ect for transportation to the cabinet	$5 \times 50$			
	s in shelf and saying on which layer the current	sly $5 \times 15$			
Placing an object	in the cabinet	$5 \times 15$			
Placing an object	next to similar objects on the cabinet	$5 \times 50$			
Bonus Rewards					
	et door without human help	200			
Picking up a tiny o	_	70			
Placing a tiny obje	-	30			
Picking up a heavy		70			
Placing a heavy of		30			
Deus Ex Machi					
	an object over to the robot	$5 \times -50$			
_	an object in the cabinet	$5\times-15$			
	an object in the cabinet next to similar objects	$5 \times -50$			
	at a target location	$5 \times -25$			
$Special \ Penaltie$		0/ 20			
Not attending	s & Donuses	-500			
Using alternative s	etert cional	-100			
Outstanding perfo	=				
Outstanding perio	mance	114			
Score per try		1140			
Total Score		1254			
Remarks:					

 $Team\ leader$ 



Test:	Clean the Table				@Home
Team name:					
Referee name	<b>:</b>				
The maximum	time for this test is 10 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Navigate to the	e table to pick up items	15			
=	are (cup, bowl) for transportation to the dish	washer $2 \times 40$			
=	ate for transportation to the dishwasher	50			
	ery (spoon, fork) for transportation to the di	shwasher $2 \times 80$			
	leware and cutlery inside the dishwasher	5×50			
_	n correctly (cleanable, convenient like a hum	an would) $5 \times 50$			
Bonus Rewar	cds				
Pulling out the	dishwasher rack	100			
Pushing in the	dishwasher rack	100			
Opening the di	shwasher door	200			
Closing the disl		200			
Picking up the	dishwasher tab for transportation to the dish	nwasher 100			
	hwasher tab inside the dishwasher's hatch int				
Deus Ex Mad	china Penalties				
Handing tablew	vare over to the robot	$2 \times -40$			
Handing plate	over to the robot	-50			
Handing cutler	y over to the robot	$2 \times -80$			
Having a huma	n place an object in the dishwasher	$5 \times -50$			
Special Penal Not attending	$ties \ {\it \& Bonuses}$	-500			
Using alternative	vo start signal	-100			
Outstanding pe	_	-100 170			
Score per try		1705			
Total Score		1875			
Remarks:		1070			
20022202					
Date & time			Team le	eader	

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



Test:	Enhanced General Purpose Service R	obot			@Home
Team name:					
Referee name:					
The maximum tir	me for this test is 10 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$		56616	1 013	2 013	
	state an encountered problem	$3 \times 150$			
Solve a problem		$3 \times 650$			
Deus Ex Mach	ina Penalties				
Asking for location	on of a problem	$3 \times -200$			-
_	nan to perform parts of the task will ccording to similar penalties in other S				
Special Penaltic	es & Bonuses				
Not attending		-500			
Using alternative		-100			
Outstanding perfe	ormance	240			
Score per try		2400			
Total Score		2640			
Remarks:					

 $Team\ leader$ 



				Ro	boCup @Home
Test:	Restaurant				@Home
Team name:					
Referee name:					
Maximum tir	me:			15	minutes
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Regular\ Reward}$					
Detect calling or v		2×100			
Reach a customer	's table without prior guidance/training	$2 \times 100$			
Take an order.		$2 \times 300$			
Serve an order.		$2 \times 300$			
Qualitative robot	social performance	50			
$Bonus\ Rewards$					
Use an unattached	d tray to transport	$2 \times 200$			
$Regular\ Penalti$	les				
	ontact when taking an order	$2 \times -100$			
Deus ex Machin					
Being guided to a		$2\times-200$			
	an 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	d where is a table $/$ $Kitchen$ -bar	$2 \times -100$			
$Special\ Penaltie$	$es  {\it \& Bonuses}$				
Not attending		-500			
Using alternative	start signal	-100			
Outstanding perfo	ormance	205			
Score per try		2050			
Total Score		2255			
Remarks:					
Date & time	$\overline{Referee}$		Team le	ader	

 $Team\ leader$ 



Test: Stickler for Rules					@Home
Team name:					
Referee name:					
Maximum tim	ne:			10 minutes	
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Reward	ds				
	creaking a house rule (indicating the rule by ct, politely clarify to the guest what action h	, i			
	guest is following the rule.	4×200			
Bonus Rewards	3				
Making eye-conta broken.	act, politely clarify to the guest what rule	is being $4 \times 100$			
Regular Penalta Talking to a gues	ies t about a rule they are not breaking	4×-100			
Deus ex Machi	-	,			
A human directs	the robot towards a guest who is breaking	a rule $4 \times -50$			
A human tells the	e robot which rule is being broken	4×-100			
Special Penaltic	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative		-100			
Outstanding perfe	ormance	200			
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time			Team le	eader	

#### Score Shoot



score si	ieet	RoboCup
Test:	Final Demonstration — Jury Evaluation	WHOME
Team name:		
Referee name:		
Instructions:		
	n all demonstrations carefully.  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
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 $Date \ \ \mathcal{U} \ time$ 



Test:		Final Demonstration	on — Executive Committee		@Home
Team na	ame:				
Referee					
Instruct	ions:				
<ol> <li>At t</li> <li>Afte</li> <li>You</li> <li>Ent</li> </ol>	the end cer demon to may use er your y	stration and questice the space below "Four name ("referee	carefully.  you may ask questions.  ons, please fill in the evaluation Remarks:" to take notes for youname") on top of the sheet.  e" slot at the bottom.		
Criteria:	•				
<ul><li>Scie</li><li>Con</li><li>Rele</li></ul>	entific con ntribution evance fo	ntribution n to @Home or @Home / Novelty n and performance in			
Evaluati	on shee	t			
Team	solution	Efficacy of to 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)
Fifth					
Fourth					
Third					
Second First					
Remarks	s:				

 $Team\ leader$