



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

Last Build Date: September 29, 2024 Time: 508

2024-09-29

# Registration Form



Team name:			
Team leader name: _			
Safety first!			
_	s. During operation in an ex		robot is not allowed to go faster ans it may not exceed a walking
immediately if there is a remember of the Technical	mote possibility of dangerou	us behavior towards pece, an Executive or Tr	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 nan a year by a decision of the
	Robot 1	Robot 2	
Size of the robot			
Emergency button(s)			<del> </del>
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 unde the rules in the official Ro		atement and agree to i	it. Furthermore, I agree to obey
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	- $        -$		



Test:	Poster Session	CHOI
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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	ਢ		10		n. ¬.

 $\overline{Referee}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$

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



Test:	Help Me Carry			Ro	BoCup @Home
Team name:					
Referee name:					
The maximum tir	ne for this test is 5 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal		222			
		300			
=	- ` ,	15			
o .	9	100			
=		50 50			
=	maximum time for this test is 5 minutes.  ion in Goal owing the person to the car eiving the correct beg (visualize on screen or say which one) ing up the correct bag iding the crowd of people obstructing the path iding the small object on the ground iding the hard-to-see object iding the area blocked with retractable barriers in secking the starting location ing and staying in the queue on the way to the arena isolaties oping the bag is Ex Machina Penalties iscovering the operator by natural interaction iscovering the operator by asking them to come back iscovering the operator by direct contact cial Penalties & Bonuses attending ig alternative start signal standing performance  ore per try al Score				
9	· ·	50 50			
_	blocked with retractable parriers	50			
		000			
_		200			
= -	ig in the queue on the way to the arena	300			
		-50			
		-50			
		50			
<del>-</del>		$-50 \\ -100$			
=					
<del>-</del>		$-150 \\ -200$			
_		-200			
	es & Bonuses	-500			
_	start signal	-300 -100			
=	_	-100 111			
Outstanding perio	ormance	111			
Score per try		1115			
Total Score		1226			
Remarks:					
nemarks:					

 $Team\ leader$ 

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



Test:	General Purpose Service Robot			AC	@Hom
Team name:					
Referee name:					
The maximum tim	ne for this test is 5 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal		50010	1 013	2 01 9	0 013
	associated with each command	3×400			
Bonus Rewards					
Understanding a c	ommand given by a non-expert operator	$3 \times 100$			
Deus Ex Machin					
Using a custom op					
Bypassing speech	_				
centage penalty ac	an to perform parts of the task will apply cording to similar penalties in other Stage I				
Special Penaltie	$s \ {\it \& Bonuses}$	~ 0 0			
Not attending		-500			
Using alternative s	_	-100			
Outstanding perfo	rmance	150			
Score per try		1500			
Total Score		1650			
Remarks:		1000			

 $Team\ leader$ 



Test:	Receptionist			Ro	@Home
Team name:					
Referee nam	ne:				
The maximum	n time for this test is 5 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Guide the gue	st to the other guests (navigate to the guest group)	$2 \times 15$			
Look in the di	rection of navigation or at the navigation goal	$2 \times 50$			
Introduce a ne	ew guest to every other guest and the host	$2 \times 50$			
Offer a free se	at to the new guest	$2 \times 100$			
Look at the pe	erson talking	$2 \times 25$			
Look at the pe	m name:  maximum time for this test is 5 minutes.  min Goal de the guest to the other guests (navigate to the guest group) k in the direction of navigation or at the navigation goal oduce a new guest to every other guest and the host or a free seat to the new guest k at the person talking k at the person the robot is introducing the guest to dilitative robot social performance or nus Rewards on the entrance door for a guest cribe the first guest to the second guest (per corect attribute) cribe the first guest to the second guest (per incorrect attribute) cribe the first guest to the second guest (per incorrect attribute) sistent inappropriate gaze (away from conversational partner) sistent gaze not in the direction of the navigation while moving.  In Ex Machina or mative HRI recognizing people cial Penalties & Bonuses attending standing performance  The per try al Score				
Qualitative ro	bot social performance	50			
Bonus Rewa	ards				
Open the entr	ance door for a guest	2×100			
Describe the f	first guest to the second guest (per corect attribute)	4×30			
Describe the f	first guest to the second guest (per incorrect attribute)	4×-30			
Penalties	,				
Wrong guest i or drink)	nformation was memorized (continue with wrong name	-50			
Persistent inap	ppropriate gaze (away from conversational partner)	-50			
Persistent gaz	e not in the direction of the navigation while moving.	-10			
Deus Ex Ma	achina				
Alternative H	RI	$2\times-75$			
Not recognizing	ng people	$2\times-200$			
Special Pena	$alties~ {\cal E}~ Bonuses$				
Not attending		-500			
Outstanding p	performance	95			
Score per tr	y	950			
Total Score		1045			
Remarks:					
Date & time			${Team\ le}$	eader	



Test:	Serve the Breakfast				@Home
Team name:					
Referee name:					
The maximum ti	me for this test is 5 minutes.				
Action		$\mathbf{Score}$	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Main~Goal}$					
Initial navigation	to pick up area	15			
=	and categorizing it correctly (visualize or say)	4×15			
	fast items for transportation to the table	4×50			
	items on the table	4×50			
Pouring cereal in		300			
Bonus Reward					
Pouring milk into		300			
Placing a spoon		100			
Penalties					
	oping an object on the table	4×-30			
Spilling cereal wh		-100			
Spilling milk whi		-100			
Deus Ex Mach	•	100			
Pointing at an ob		$4 \times -5$			
=	ct over to the robot	$4\times-50$			
= -	an object on the table	$4\times-50$			
	g cereal in the bowl	-300			
Special Penalti	_	000			
Not attending	es O Domases	-500			
Using alternative	start signal	-100			
Outstanding perf	_	117			
	OTHER		_ <del></del>		
Score per try		1175			
Total Score		1292			
Remarks:					
Date & time		-	Team le	eader	

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



Test:	Storing Groceries			Ro	@Home
Team name:					
Referee name: _					
The maximum time	for this test is 5 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Navigating to the ta	able	15			
Perceiving object a	nd categorizing it correctly	$5 \times 15$			
Picking up an objec	et for transportation to the cabinet	$5 \times 50$			
Perceiving objects handled object shou	in shelf and saying on which layer the current ald be placed	tly $5 \times 15$			
Placing an object ir	the cabinet	$5 \times 15$			
Placing an object n	ext to similar objects on the cabinet	$5 \times 50$			
Bonus Rewards					
Opening the cabine	t door without human help	200			
Picking up a tiny ol	oject	70			
Placing a tiny object		30			
Picking up a heavy		70			
Placing a heavy obj	· ·	30			
Deus Ex Machin					
	an object over to the robot	$5 \times -50$			
=	object in the cabinet	$5 \times -15$			
	object in the cabinet next to similar objects	$5 \times -50$			
A human pointing a		$5 \times -25$			
$Special\ Penalties$	_	0 / 20			
Not attending	G Donases	-500			
Using alternative st	art cional	-100			
=	_				
Outstanding perform	nance	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	$ties \ {\it {\it U}} \ Bonuses$	-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
Test:	Restaurant				@Home
Team name:					
Referee name:					
Maximum tim	e:			15	minutes
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
$\overline{Regular\ Rewards}$					
Detect calling or wa	_	$2 \times 100$			
	table without prior guidance/training	$2 \times 100$			
Take an order.		$2 \times 300$			
Serve an order.		$2 \times 300$			
Qualitative robot so	ocial performance	50			
Bonus Rewards					
Use an unattached		$2 \times 200$			
Regular Penaltie					
	ntact when taking an order	$2 \times -100$			
Deus ex Machine					
Being guided to a t		$2\times-200$			
	to handover object to the robot	4×-50			
	ake the object from a tray or the robot's hand	$4 \times -50$			
	where is a table/Kitchen-bar	$2 \times -100$			
Special Penalties	${\it \& Bonuses}$				
Not attending		-500			
Using alternative st		-100			
Outstanding perform	mance	205			
Score per try		2050			
Total Score		2255			
Remarks:					
Date & time	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		Team le	ader	

 $Team\ leader$ 



Test: Stickler for Rules  Team name:					@Home
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 has been described by the control of the control	, · · · · ·			
	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	



$\mathbf{Sc}$	ore	Sheet			RoboCup @Home
Test	<b>.</b> :	Final Demo	onstration — Jury Evalua	tion	@Home
Tea	m nam	e:			
Refe	eree na	me:			
$\mathbf{Inst}$	ruction	15:			
2.	At the		strations carefully.  Instration you may ask questly questions, please fill in the		V.
4. 5.		•	below "Remarks:" to take "referee name") on top of	· ·	
_		,	"Referee" slot at the botte		
Eva	luation	sheet			
7	Геат	Originality and presentation* (0-10)	Relevance/usefulness to everyday life (0-10)	Elegance of overall demonstration (0-10)	Success of overall demonstration (0-10)
Ī	Fifth	(0-10)	(0-10)	(0-10)	(0-10)
	Fourth				
	Γhird			<u> </u>	

#### Remarks:

Second First

Date & time	$\overline{Referee}$	Team leader
RoboCup@H	ome Forms & Score Sheets / Draft version for Rob	oCup 2025 (Revision 2024-09-29_1)

<sup>\*</sup> Story telling is to be rewarded

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



Test:		Final Demonstration	on — Executive Committee		@Home
Team na	ame:				
Referee					
${f Instruct}$	ions:				
<ol> <li>At</li> <li>Aft</li> <li>You</li> <li>Ent</li> </ol>	the end o er demon 1 may use ter your y	stration and questice the space below "Four name ("referee	carefully. you may ask questions. ons, please fill in the evaluation temarks:" to take notes for y name") on top of the sheet. e" slot at the bottom.		
Criteria	•				
<ul><li>Scie</li><li>Cor</li><li>Rel</li></ul>	entific con atribution evance for	ntribution to @Home r @Home / Novelty and performance in			
Evaluati	ion shee	t			
Team		Efficacy of a to main objective (0-10)	Elegance of solution to main objective (0-10)	Innovation/contribution of additional tasks (0-10)	Difficulty/Success of overall demonstratio (0-10)
Fifth				,	
Fourth					
Third					
Second					
First					
Remark	s:				

 $Team\ leader$