



RoboCup@Home

Forms & Score Sheets

Version: 2024 1

Last Build Date: September 9, 2024 $\,$ Time: 478

2024-09-09

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	Silon
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. ¬.

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



Test:	Carry my Luggage			Ro	@Home
Team name:					
Referee name:					
The maximum tir	me for this test is 5 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Perceiving the con	rrect beg (visualize on screen or say which one)	15			
Picking up the co		100			
Following the per	son to the car	300			
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			
Bonus rewards					
Re-entering the a	rena	100			
Joining and staying	ng in the queue on the way to the arena	300			
Penalties					
Dropping the bag		-50			
Deus Ex Mach	ina Penalties				
	operator by natural interaction	-50			
=	operator by unnatural interaction	-100			
_	operator by asking them to come back	-150			
_	operator by direct contact	-200			
$Special\ Penalti$					
Not attending	Se C Bonacce	-500			
Using alternative	start signal	-100			
Outstanding perfe		101			
	of manoc				
Score per try		1015			
Total Score		1116			
Remarks:					
Total Score Remarks:		1110			

 $Team\ leader$

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



Test :	General Purpose Service Robot			RC	@Hom
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
Main Goal			-	-	
Executing the	task associated with each command	3×400			
Bonus Rewa	ards				
Understanding	g a command given by a non-expert operator	3×100			
Deus Ex Ma	achina Penalties				
Using a custor		3×-50			
Bypassing spe	ech recognition	3×-50			
Instructing a	human to perform parts of the task will apply a	per- 3×-400			
centage penalt	ty according to similar penalties in other Stage I to	ests.			
Special Pena	$alties~ {\mathfrak C}~Bonuses$				
Not attending		-500			
Using alternat	ive start signal	-100			
Outstanding p	performance	150			
$Score\ per\ tr$	y	1500			
m. 4 - 1 C		1050			
Total Score Remarks:		1650			
itemarks.					

 $Team\ leader$

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



Test:	Receptionist			Ro	boCup @Home
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)	2×15			
Look in the direct	ion of navigation or at the navigation goal	2×50			
Introduce a new g	uest to every other guest and the host	2×50			
Offer a free seat to	o the new guest	2×100			
Look at the person	n talking	2×25			
Look at the person	n the robot is introducing the guest to	2×50			
Qualitative robot	social performance	50			
Bonus Rewards	-				
Open the entrance		2×100			
=	guest to the second guest (per corect attribute)	4×30			
	guest to the second guest (per incorrect attribute)	4×-30			
Penalties	O	,			
	mation was memorized (continue with wrong name	-50			
,	priate gaze (away from conversational partner)	-50			
= =	t in the direction of the navigation while moving.	-10			
Deus Ex Machi					
Alternative HRI	700	2×-75			
Not recognizing po	eonle	2×-200			
$Special\ Penaltie$	-				
Not attending		-500			
Outstanding perfo	ormance	95			
Score per try		950			
Total Score		1045			
D area a wlyay					
Remarks:					

 $Team\ leader$



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	4×50			
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×-5			
Handing an o	bject over to the robot	4×-50			
A human place	cing an object on the table	4×-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	



Test:	Storing Groceries			RC	@Home
Team name	o:				
Referee nar	me:				
The maximum	m time for this test is 5 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Navigating to		15			
_	eject and categorizing it correctly	5×15			
	n object for transportation to the cabinet	5×50			
_	bjects in shelf and saying on which layer the currer ct should be placed	atly 5×15			
Placing an ol	bject in the cabinet	5×15			
Placing an ol	bject next to similar objects on the cabinet	5×50			
Bonus Rew	pards				
Opening the	cabinet door without human help	200			
Picking up a	tiny object	70			
Placing a ting	y object	30			
Picking up a	heavy object	70			
Placing a hea	avy object	30			
Deus Ex M	Tachina Penalties				
A human hai	nding an object over to the robot	5×-50	·		
A human pla	cing an object in the cabinet	5×-15	·		
A human pla	cing an object in the cabinet next to similar objects	5×-50			
A human poi	inting at a target location	5×-25			
Special Pen	$nalties \ {\it @ Bonuses}$				
Not attendin		-500			
Using alterna	ative start signal	-100			
Outstanding	performance	114			
Score per t	ry	1140			
Total Score	,	1254			
Remarks:					
itemarks.					
		-			
$Date \ \mathcal{E} \ time$	Referee		Team le	eader	



Test:	Clean the Table				@Home
Team name	:				
Referee nan	ne:				
The maximum	m time for this test is 10 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$					
Navigate to t	he table to pick up items	15			
Picking table	ware (cup, bowl) for transportation to the dish	washer 2×40			
Picking up a	plate for transportation to the dishwasher	50			
Picking up cu	ntlery (spoon, fork) for transportation to the di	shwasher 2×80			
Placing the ta	ableware and cutlery inside the dishwasher	5×50			
Placing an ite in the dishwa	em correctly (cleanable, convenient like a humsher	an would) 5×50			
Bonus Rew	ards				
Pulling out th	he dishwasher rack	100			
Pushing in th	ne dishwasher rack	100			
Opening the	dishwasher door	200			
Closing the d	ishwasher door	200			
Picking up th	ne dishwasher tab for transportation to the dish	washer 100			
Placing the d the tab	ishwasher tab inside the dishwasher's hatch int	cended for 200			
Deus Ex M	achina Penalties				
Handing table	eware over to the robot	2×-40			
Handing plate	e over to the robot	-50			
Handing cutle	ery over to the robot	2×-80			
Having a hun	nan place an object in the dishwasher	5×-50			
Special Pen	$alties~ {\it E}~ Bonuses$				
Not attending		-500			
`	tive start signal	-100			
Outstanding	-	170			
Score per tr	~y	1705			
Total Score		1875			
		1070			
Remarks:					
Date & time	Referee		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	3×150			
Solve a problem		3×650			
Deus Ex Mach	ina Penalties				
Asking for location	on of a problem	3×-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:					

 $Team\ leader$

 $Date \ \& \ time$



				Ro	boCup
Test:	Restaurant				@Home
Team name:					
Referee name:					
Maximum tim	ne:			15	minutes
Action		Score	1^{st} \mathbf{try}	2^{nd} try	3^{rd} try
Regular Rewards					
Detect calling or w		2×100			
	s table without prior guidance/training	2×100			
Take an order.		2×300			
Serve an order.		2×300			
Qualitative robot s	ocial performance	50			
Bonus Rewards					
Use an unattached		2×200			
Regular Penaltie		0 400			
	ntact when taking an order	2×-100			
Deus ex Machin		2×-200			
Being guided to a t	to handover object to the robot	4×-50			
	ake the object from a tray or the robot's hand	4×-50 4×-50			
	where is a table/ $Kitchen$ -bar	2×-100			
Special Penalties	·	2×-100			
Not attending	o C Donuses	-500			
Using alternative s	tart signal	-100			
Outstanding perfor		205			
	indico	~~~			
Score per try		2050			
Total Score		2255			
Remarks:					

 $Team\ leader$



Test:			@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 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 4×100			
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×-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	



$\Gamma\!\mathrm{est}$:	Final Demonstration — Jury Evaluation	@Home
Team name:		
Referee name:		

Instructions:

- 1. Please watch all demonstrations carefully.
- 2. At the end 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				

^{*} Story telling is to be rewarded

Remarks:

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



Test:		Final Demonstration	on — Executive Committee		@Home
Team na	ame:				
Referee					
${f Instruct}$	ions:				
 At Aft You Ent 	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	•				
ScieCorRel	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:				

 $Team\ leader$