



RoboCup@Home

Forms & Score Sheets

2024-04-24

Registration Form



Team name:			
Team leader name:			
Safety first!			
The speed of the robots shot than the local speed limits. pace of humans (6 kph, 3.7	During operation in an ex		_
At any time when operating immediately if there is a remember of the Technical or team to stop the robot, the	note possibility of dangerour Organizational committee	us behavior towards peoplee, an Executive or Trust	le and/or objects. If a refere tee of the federation tells th
If the team does not compimmediately by a decision members can be banned fr RoboCup Federation Truste	of the RoboCup@Home Tom future competitions for	Technical Committee. Fu	erthermore, the team and i
	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 understhe rules in the official Rob	=	atement and agree to it.	Furthermore, I agree to ob
Date & time	$\frac{}{Team\ leader}$		

RoboCup @Home)

Test:	Poster Session	
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

Team	Overall score
1eam	of poster (0-10)
Austin Villa@Home	
Australian Centre for Robotic Vision	
CARL@Home	
CATIE Robotics	
eR@sers	
Hibikino-Musashi@Home	
homer@UniKoblenz	
KameRider OPL	
KameRider SSPL	
LiU@HomeWreckers	
LyonTech	
ORIon	
Pumas	
PUMAS-DSPL	
RoboCanes-VISAGE	
RoboFEI@Home	
RT Lions	
SinfonIA Pepper Team	
Team Northeastern	
Team Tidyboy	
Tech United Eindhoven	
Tinker	
Uchile Pepper	
UNSW@Home	
UTS Unleashed!	
Walking Machine	

Remarks:

Pate & time	Referee	$Team\ leader$

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



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 interior				
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			
TD: 4 - 1 C		1050			
Total Score Remarks:		1650			
itemarks.					

 $Team\ leader$



Test:	Receptionist			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
$\overline{Main~Goal}$					
Navigate to the	he door, when the door bell rings	2×15			
Guide the gue	est to the other guests (navigate to the guest group)	2×100			
Look in the d	irection of navigation or at the navigation goal	2×50			
Introduce a n	ew guest to every other guest	2×50			
Offer a free se	eat to the new guest	2×100			
Look at the p		2×25			
_	person the robot is introducing the guest to	2×50			
	bbot social performance	50			
Bonus Rewe	ards				
Open the enti	rance door for a guest	2×100			
=	first guest to the second guest	150			
Penalties	<u> </u>				
	information was memorized (continue with wrong nam	e –50			
*	ppropriate gaze (away from conversational partner)	-50			
	ze not in the direction of the navigation while moving.	-10			
Deus Ex Mo					
Alternative H		2×-75			
Not recognizing	ng people	2×-200			
Special Pen	alties & Bonuses				
Not attending		-500			
Outstanding 1		118			
Score per tr	ry	1180			
Total Score		1000			
		1298			
Remarks:					
$\frac{}{\mathit{Date} \mathcal{C}\mathit{time}}$			Team le	eader	



Test:	Serve the Breakfast			A.C.	@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
Main Goal					
Initial navigat	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	l into the bowl	300			
Bonus Rewe					
	into the bowl	300			
Placing a spo	on next to the bowl	100			
Penalties					
_	dropping an object on the table	4×-30			
	l while pouring	-100			
	while pouring	-100			
	achina Penalties	, ~			
Pointing at an		4×-5			
_	bject over to the robot	4×-50			
_	cing an object on the table	4×−50 −300			
_	uring cereal in the bowl	-300			
Not attending	$alties~ {\it \& Bonuses}$	500			
•	tive start signal	$-500 \\ -100$			
_	_	-100 117			
Outstanding 1	performance	111			
Score per tr	ry	1175			
Total Score		1292			
Remarks:					
Date & time	Referee	-	Team le	eader	



Test:	Storing Groceries			AC	@Home
Team name:					
Referee name:					
The maximum tin	me for this test is 5 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$					
Navigating to the		15			
	and categorizing it correctly	5×15			
	ject for transportation to the cabinet	5×50			
	s in shelf and saying on which layer the current	tly 5×15			
handled object sh	-				
Placing an object		5×15			
	next to similar objects on the cabinet	5×50			
Bonus Rewards					
	net door without human help	200			
Picking up a tiny		70			
Placing a tiny ob		30			
Picking up a heav		70			
Placing a heavy of	bject	30			
Penalties					
Storing an object	without categorizing it correctly	5×-60			
Deus Ex Mach	ina Penalties				
A human handing	g 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	g at a target location	5×-25			
Special Penalti	$es \mathcal{E} Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Outstanding perfe	_	114			
Score per try		1140			
Total Score		1254			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Clean the Table				@Home
Team name:					
Referee name:					
The maximum tin	ne for this test is 10 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
	able to pick up items	15			
=	(cup, bowl) for transportation to the dishwasher	2×40			
=	e for transportation to the dishwasher	50			
	(spoon, fork) for transportation to the dishwasher	2×80			
	ware and cutlery inside the dishwasher	5×50			
	orrectly (cleanable, convenient like a human would)	5×50			
Bonus Rewards					
Pulling out the di		100			
Pushing in the dis		100			
Opening the dishv		200			
Closing the dishwa		200			
	shwasher tab for transportation to the dishwasher	100			
	asher tab inside the dishwasher's hatch intended for	200			
Deus Ex Machi	ina Penalties				
Pointing at an obj	ject or telling the robot where an object is	5×-20			
		5×-70			
Placing an object		\times –180			
Special Penaltie					
Not attending	Se C Bollacco	-500			
Using alternative	start sional	-100			
Outstanding perfe	_	170			
——————————————————————————————————————	лшансе	170			
Score per try		1705			
Total Score		1875			
Remarks:					
Date & time			Team le	eader	

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



Test:	Enhanced General Purpose Service Ro	bot		RO	@Home
Team name:					
Referee name:					
	me for this test is 10 minutes				
The maximum ti	me for this test is 10 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main~Goal					
-	state an encountered problem	3×150			
Solve a problem		3×650			
Deus Ex Mach					
Asking for locati		3×-200			
_	man to perform parts of the task will a according to similar penalties in other St.				
Special Penalta	$ies~ {\mathfrak E}~ Bonuses$				
Not attending		-500			
Using alternative	_	-100			
Outstanding per	formance	240			
Score per try		2400			
Total Score		2640			
Remarks:					

 $Team\ leader$

 $Date \ \& \ time$



ocore or	1000			Ro	boCup @Home
Test:	Restaurant			E	enome
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		2 222			
Use an unattached		2×200			
Regular Penaltie		0 100			
	ntact when taking an order	2×-100			
Deus ex Machin		2×-200			
Being guided to a t	to handover object to the robot	4×-200			
	ake the object from a tray or the robot's hand	4×-100 4×-100			
_	where is a table/ $Kitchen$ -bar	2×-100			
Special Penalties		ZX-100			
Not attending	5 C Donuses	-500			
Using alternative s	tart signal	-100			
Outstanding perfor		205			
Score per try		2050			
Total Score		2255			
Remarks:					

 $Team\ leader$



Test:	Stickler for Rules					@Home
Team name:						
Referee name:						
Maximum tim	e :				10	minutes
Action			Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Reward Identify a guest b log).	ds reaking a house rule (indica	ting the rule by voice	or 4×100			
*	ct, politely clarify to the gue	st what action he shou	ld 4×100			
Confirm that the	guest is following the rule.		4×200			
Bonus Rewards Making eye-conta broken.	ct, politely clarify to the g	uest what rule is being	ng 4×100	·		
Regular Penalt Talking to a gues	ies t about a rule they are not l	breaking	4×-100			
	na Penalties the robot towards a guest we robot which rule is being be	=	<i>4</i> ×− <i>50 4</i> ×− <i>100</i>			
Special Penalti	_		•			
Not attending			-500			
Using alternative	-		-100			
Outstanding perf	ormance		200			
Score per try			2000			
Total Score			2200			
Remarks:						
Date & time		ree		Team le	eader	



est:	Final Dem	onstration — Jury Evalua	tion	
eam nam	ne:			
teferee na	nme:			
nstruction	ns:			
		d questions, please fill in the below "Remarks:" to take	notes for yourself.	
6. Sign th	he form using the	"referee name") on top of "Referee" slot at the botto		
•	he form using the	"Referee" slot at the botte	om.	Suggest of
6. Sign th	he form using the sheet Originality and presentation*	"Referee" slot at the bottom Relevance/usefulness to everyday life		Success of overall demonstration (0-10)
6. Sign the valuation	he form using the sheet Originality and	"Referee" slot at the botte	Elegance of overall demonstration	
6. Sign the valuation Team Fifth Fourth	he form using the sheet Originality and presentation*	"Referee" slot at the bottom Relevance/usefulness to everyday life	Elegance of overall demonstration	overall demonstration
6. Sign the valuation Team Fifth Fourth Third	he form using the sheet Originality and presentation*	"Referee" slot at the bottom Relevance/usefulness to everyday life	Elegance of overall demonstration	overall demonstration
6. Sign the svaluation Team Fifth Fourth	he form using the sheet Originality and presentation*	"Referee" slot at the bottom Relevance/usefulness to everyday life	Elegance of overall demonstration	overall demonstration

Date & time	$\overline{Referee}$	Team leader

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



Test:		Final Demonstration	on — Executive Committee		@Home
Team na	me:				
Referee	name:				
Instructi	ions:				
 At t Afte You Ente 	he end over demons 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:					
ConRele	tribution evance for	ntribution to @Home r @Home / Novelty and performance in			
Evaluatio	on sheet	t			
Team		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 demonstratio (0-10)
Fifth		,			
Fourth					
Third					
Second First					
Remarks	s:				

 $Team\ leader$