



# RoboCup@Home

Forms & Score Sheets

Version: 2024 0

Last Build Date: May 2, 2023 Time: 1245

# Registration Form



Team name:			
Team leader name:			
Safety first!			
_	. During operation in an e		oot is not allowed to go faster it may not exceed a walking
immediately if there is a ren	note possibility of dangeror or Organizational committee	us behavior towards peoplee, an Executive or Trust	wners have to stop the robot le and/or objects. If a referee, tee of the federation tells the opped <i>immediately</i> .
immediately by a decision	of the RoboCup@Home Trom future competitions f	Technical Committee. Fu	com the ongoing competition arthermore, the team and its a year by a decision of the
	Robot 1	Robot 2	
Size of the robot	100000	100.00 2	
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
Date & time	 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				
Team	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:

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



Test:	Carry my Luggage				@Home
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					
Picking up the cor	rrect bag	100			
Following the pers	on to the car	300			
Avoiding the crow	d of people obstructing the path	50			
Avoiding the smal	l object on the ground	50			
Avoiding the hard	-to-see object	50			
Avoiding the area	blocked with retractable barriers	50			
$Bonus\ rewards$					
Re-entering the ar	ena	100			
Joining and stayin	g in the queue on the way to the arena	300			
Regular Penalti	es				
Dropping the bag		50			
Deus Ex Machi	na Penalties				
Rediscovering the	operator by natural interaction	-50			
Rediscovering the	operator by unnatural interaction	-100			
Rediscovering the	operator by direct contact	-200			
Special Penaltie	$s \ {\cal B} \ Bonuses$				
Not attending		-500			
Using alternative s	start signal	-100			
Score per try		1050			
Total Score		1155			
Remarks:					
Date & time	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		Team le	pader	



Test:	Clean Up					@Home
Team name:						
Referee name:						
Maximum tim	e:				5 r	ninutes
Action		Sc	ore	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards Place an object at	the appropriate location	6  imes	100			
Bonus Rewards						
Moving a <i>tiny</i> obje Moving a <i>heavy</i> ob			200 200			
Regular Penaltie Place an object at		<i>6</i> ×	-50			
Deus ex Machine						
Physically interacti			-60			
_	near an object to be moved		-40			
Telling where an ob			-30			
Pointing out object	a category an object is or where to pla to be moved		-30 -20			
Special Penalties Not attending	& Bonuses	_	-500			
Using alternative st	tart signal		100			
Score per try		1	000			
Total Score		1	100			
Remarks:						
Date & time				Team, le	nder	



Test:	Farewell					@Home
Team name	e:					
Referee na	me:					
The maximu	um time for this test is 5 minu	tes.				
Action			Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal	,					
	successfully guided to thier cab	)	2×200			
_	he medical doctor	•	200			
$Bonus\ rew$	anda					
Delivering th			2×100			
_	guest with conversation while	ushering person to the ca				
O		01				
Deus Ex M	Machina					
Tell the robo	ot which guest is leaving		$2 \times -30$			
Guiding the	robot to the cab		$2 \times -120$			
Guiding the	robot back to the house		$2 \times -120$			
Tell robot w	hich person is a medical docto	r	-200			
Handover th	e coat		$2 \times -100$			
Special Per	nalties & Bonuses					
Not attendir			-500			
	ative start signal		-100			
Score per t	try		1000			
Total Score	e		1100			
Remarks:						
nemarks:						
Date & time	$R\epsilon$	eferee		Team le	eader	



Test:	Find my Mates				@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					
Report a guest lo	cation	$2 \times 100$			
Provide location		$2 \times 50$			
Provide description	_	$2 \times 150$			
$Bonus\ rewards$					
Report the 3rd gu	uest location	150			
Provide description	on of a 3rd guest	250			
Deus Ex Mach	ina				
	ve the robot in order to be found				
	the robot where he/she is sitting/standing	$2\times-75$			
Person has to app	proach the robot (e.g. walk and stand in front	of it) $2 \times -150$			
Special Penalti	$es~~ {\it E}~~ Bonuses$				
Not attending		-500			
Using alternative	start signal	-100		<del></del>	<del></del> -
Score per try		1000			
Total Score		1100			
Remarks:					
Date & time	Referee		Team le	eader	



Test:	General Purpose Service Robot				@Ноте
Team name:					
Referee name:					
The maximum ti	me for this test is 5 minutes.				
Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
	sk associated with each command	3×400			
Bonus Rewards	S				
Understanding a	command given by a non-expert operator	3×100			
Deus Ex Mach	ina Penalties				
Using a custom o	perator	$3 \times -50$			
Bypassing speech	recognition	$3 \times -50$			
Instructing a hun	nan to perform the task	3×-400			
Special Penalti	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Score per try		1500			
Total Score		1650			
Remarks:					
Date & time	Referee		Team le	eader	



Test:	Receptionist				@Home
Team name:					
Referee name	e:				
The maximum	time for this test is 5 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
	w guest to every other guest and offer a seat	2×250			
Look at the pe		50			
=	rson being described	50			
_	rection of navigation	50			
	wrong name or drink	$2\times-50$			
	propriate gaze - away from conversational partner	$2 \times -50$			
-	e not in the direction of the navigation while moving	-50			
Bonus Rewar					
=	ance door for a guest	2×100			
Describe the fir	rst guest to the second guest	150			
Deus Ex Ma					
Alternative HF	RI	$2\times-75$			
Not recognizing	g people	$2 \times -200$			
=	lties & Bonuses				
Not attending		-500			
Score per try	•	1000			
Total Score		1100			
Remarks:					
Date & time			Team le	eader	



Test:	Serving Drinks				@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
Main Goal					
	guest without a drink and take order	$3 \times 50$			
	rrect drink from the bar	3×80			
	rink to the right person	3×70			
Bonus rewa	rds				
	uest of drink unavailability upon request	200			
Correcting the		2×100			
Regular Pen	calties				
•	guest with a drink and take order (per wrong guest)	-50			
Approaching t	the host to take an order	-50			
Deus Ex Mo	achina Penalties				
Guest waves t	o the robot to place order	$3 \times -30$			
Guest approach	ches the robot to place order	$3 \times -50$			
Drink handed	over to the robot (bypass picking)	$3 \times -30$			
Drink taken b	y a guest (bypass drink handover)	$3 \times -30$			
Special Pena	alties & Bonuses				
Not attending		-500			
Using alternat	ive start signal	-100			
Score per tr	y	1000			
Total Score		1100			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Serve the Breakfast				@Home
Team name:					
Referee nam	ie:				
The maximum	a time for this test is 5 minutes.				
Action		Score	$1^{st}$ <b>try</b>	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
	eakfast items for transportation to the table	4×15			
	fast items on the table	4×60			
=	into the bowl	300			
Bonus Rewa	xrds				
Pouring milk i	into the bowl	300			
Placing a spoo	on next to the bowl	100			
Regular Pen	alties				
Throwing or d	ropping an object on the table	4×-30			
Spilling cereal	while pouring	-100			
Spilling milk v	while pouring	-150			
Deus Ex Ma	achina Penalties				
Pointing at an	object	$4 \times -25$			
Handing an ol	oject over to the robot				
A human plac	ing an object on the table	$4\times-75$			
A human pour	ring cereal in the bowl	-300			
-	$alties \ {\it {\it E}} \ Bonuses$				
Not attending		-500			
Using alternat	ive start signal	-100			
Score per tr	y	1000			
Total Score		1100			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Storing Groceries				@Home
Team name:					
Referee name:					
The maximum time	me for this test is 5 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Picking up an ob	ject for transportation to the cabinet	$5 \times 30$			
Moving an object	next to similar objects on the cabinet	$5 \times 90$			
Bonus Rewards	S				
Opening the cabi	net door without human help	200			
Moving a tiny ob	ject	100			
Moving a heavy of	bject	100			
Regular Penalt	ies				
_	without categorizing it correctly	$5 \times -60$			
Deus Ex Mach	ina Penalties				
A human pointing	g at a target location	$5 \times -30$			
	g an object over to the robot	$5 \times -30$			
A human moving		$5 \times -100$			
Special Penalti	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Score per try		1000			
Total Score		1100			
		1100			
Remarks:					
$Date \ \mathcal{E} \ time$	Referee		Team l	eader	



Test:	Take out Garbage	,			E	@Home
Team name:						
Referee name:						
Maximum tim	e:				5 n	minutes
Action			Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards						
Move a bag inside t			$2 \times 300$			
Bonus Rewards						
Opening the bin lid			$2 \times 100$			
Carry both bags at	once		200			
$Regular\ Penaltie.$	s					
Placing bag outside			$2 \times -100$			
Tipping a bin / tea	ring a bag		$2 \times -50$			
Deus ex Machine	a Penalties					
Receiving the bag v			$2 \times -250$			
$Special\ Penalties$	& Ronnege					
Not attending	G Donuses		-500			
Using alternative st	art signal		-100			
Score per try			1000			
Total Score			1100			
Remarks:						
Date & time		Referee		Team, le	nder	



Test:	Clean the Table				@Home
Team name:					
Referee name:					
The maximum ti	me for this test is 10 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
	e and cutlery for transportation to the dishwasher	$5 \times 60$			
	ware and cutlery inside the dishwasher	5×180			
Bonus Reward	s				
Opening the dish	washer door	200			
Pulling out the d	ishwasher rack	100			
Placing an item of	correctly in the dishwasher	$5 \times 40$			
Placing the dishv	vasher tab inside the dishwasher	300			
Deus Ex Mach	ina Penalties				
Pointing at an ob	eject or telling the robot where an object is	$5 \times -25$			
Handing an object	ct over to the robot	5×-60			
Special Penalti	es & Bonuses				
Not attending		-500			
Using alternative	start signal	-100			
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time			Team le	eader	



Test:	Enhanced General Purpose Service Robot				@Home
Team name:					
Referee name:					
The maximum ti	me for this test is 10 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
	sk associated with each command	$3 \times 800$			
Bonus rewards	3				
Understanding a	command given by a non-expert operator	$3 \times 200$			
Deus Ex Mach					
Using a custom of		$3 \times -100$			
Bypassing speech	_	$3 \times -100$			
Instructing a hur	man to perform the task	$3 \times -500$			
Special Penalti	ies & Bonuses				
Not attending		-500			
Using alternative	e start signal	-100			
Score per try		3000			
Total Score		3300			
Remarks:					
$Date \ \ \ \ time$	Referee		Team le	eader	



Test:	Find my Disk				@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					
	te description of the desired disk	600			
Desired disk is for		600			
Bonus rewards					
Help operator to f	find a second disk	800			
Special Penaltie	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time	Referee		Team le	eader	



Test:	Hand me That			A.C.	@Home
Team name:					
Referee nam	e:				
The maximum	a time for this test is 10 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main~Goal					
	rmine each item	$5 \times 400$			
	rmine an item on the second attempt	$5 \times -150$			
Correctly dete	rmine an item on the third or fourth attempt	$5 \times -300$			
	rmine an item on a subsequent attempt	$5 \times -400$			
Asking 1 clarif		$5 \times -100$			
_	fying questions	$5 \times -200$			
Asking 3 or m	ore clarifying questions	$5 \times -350$			
Deus ex Ma	china Penalties				
Being told the	name of the object	5×-400			
Special Pena	$alties~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternat	ive start signal	-100			
Score per tr	y	2000			
Total Score		2200			
Remarks:					
Date & time			$\overline{Team \ l}$	eader	



Test:	Set the Table				AC	@Home
Team name	:					
Referee nar	ne:					
The maximum	m time for this test is 1	10 minutes.				
Action			Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
				· ·	-	
Main Goal	ween on oursboomd door		100			
	wer or cupboard door		100 2×50			
Pick up plate	s and cup s, spoon, and fork		$2 \times 30$ $3 \times 150$			
Pick up knile Pick up napk			$3 \times 130$ $50$			
Correctly pla			5×100			
Pointing at o			$5 \times 100$ $5 \times -25$			
Pointing at d			$5 \times -50$			
1 Officing at a	estination		<i>3</i>			
Bonus rewa	urds					
	before objects		500			
	jects correctly		250			
	oor or drawer		50			
Special Pen	$alties~ {\it \&Bonuses}$					
Not attending	g		-500			
Using alterna	tive start signal		-100			
Score per tr	ry		2000			
Total Score			2200			
Remarks:						
		D (			7	
$Date \ \& \ time$		Referee		Team le	eader	



Test:	Restaurant				@Home
Team name:					
Referee name:	-				
Maximum tim	<b>e</b> :			15	minutes
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards					
	aving customer (per order).	2×100			
	table without prior guidance/training (per order).	2×100			
Take and serve an o	,	$2 \times 600$			
Bonus Rewards					
Use an unattached	tray to transport (per order).	$2 \times 200$			
Regular Penaltie					
Not making eye-cor	ntact when taking an order (per order).	$2 \times -100$			
Deus ex Machine	a Penalties				
Being guided to a t	able (per order).	$2 \times -200$			
Bypassing manipula	<del>-</del> ,	$6 \times -100$			
Each object handov		$6 \times -50$			
Being told/pointed	where is a table $/$ $Kitchen-bar$ (per order).	$2 \times -25$			
$Special\ Penalties$	${\cal E}$ Bonuses				
Not attending		-500			
Using alternative st	art signal	-100			
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time	Referee	-	Team, le	ader	



Test:	Smoothie Chef				@Ноте
Team name:					
Referee name:					
The maximum ti	me for this test is 10 minutes.				
Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main~Goal					
	fruits in the blender	$3 \times 200$			
	on of sugar in the blender	300			
Pouring milk in t	_	300			
Bonus Reward	s				
Pouring sugar in	the blender without spilling	400			
Pouring milk in t	the blender without spilling	400			
Regular Penalt	ies				
Placing an incorr	rect fruit into the blender	$3 \times -200$			
Deus Ex Mach					
Starting the test	in front of the kitchen counter	-150			
	ct over to the robot	-200			
Telling the robot	which ingredient comes next	-250			
Using a custom of	operator	-250			
Special Penalti	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time	Referee		$\overline{Team \ le}$	pader	



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 Identify a guest b log).	ds reaking a house rule (indicating the rule by voice of	or 4×100			
= /	ct, politely clarify to the guest what action he shoul	d 4×100			
	guest is following the rule.	4×200			
Bonus Rewards Making eye-conta broken.	s act, politely clarify to the guest what rule is bein	g 4×100			
Regular Penalta Approach a guest	ies who is not breaking a rule.	4×-100			
	the robot towards a guest who is breaking a rule.  e robot which guest is breaking a rule.	4×-100 4×-100			
Special Penaltic	es~arepsilon~Bonuses	<b>7</b> 00			
Not attending Using alternative	start signal	-500 -100			
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time	Referee		$Team \ l$	eader	



Test:	Where is this				@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					
Describing and sh	ow the requested location accurately	$3 \times 100$			
Monitoring operat	or's navigation, intervening when necessary	$3 \times 200$			
Describing the are	as of the Arena traversed during navigation	$3 \times 100$			
Bonus rewards					
Leading non-exper	rt operator	$3 \times 100$			
Giving instruction tions	s to returning operator based on previous ins	truc- <i>300</i>			
Natural interactio	n while guiding	200			
Deus Ex Machi	na Penalties				
Bypassing speech		$3 \times -50$			
Helping the robot	find the operator	$3 \times -150$			
Special Penaltie	$es  {\it \& Bonuses}$				
Not attending		-500			
Using alternative	start signal	-100			
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time			Team le	eader	

 $Date \ \mathcal{E} \ time$ 



Test: Team name: Referee name:		Final Dem	onstration — Jury Evalua	tion	Robo Cu @Hom
		ne:			
		ame:			
ĺη	<ol> <li>At the</li> <li>After e</li> <li>You m</li> <li>Enter</li> </ol>	e watch all demons e end of the demon demonstration and nay use the space your your name (	strations carefully.  Instration you may ask questly a second questions, please fill in the second with the second point of th	ne evaluation sheet below notes for yourself. the sheet.	V.
E۰	valuation	ı sheet			
	Team	Originality and presentation* (0-10)	Relevance/usefulness to everyday life (0-10)	Elegance of overall demonstration (0-10)	Success of overall demonstration (0-10)
	Fifth				
	Fourth				
	Third				
	Second				
	First		* Story telling is to		
R	emarks:				

Referee

 $Team\ leader$ 



2001				RoboCup @Home	
Test:	Final Demonstration	on — Executive Committee			
Team na	ame:				
Referee	name:				
<ol> <li>At</li> <li>Aft</li> <li>You</li> <li>Ent</li> <li>Sig</li> </ol> Criteria <ul> <li>Scie</li> <li>Con</li> <li>Rel</li> </ul>	ase watch all demonstrations the end of the demonstration er demonstration and question may use the space below "February your name ("referee in the form using the "Referee	you may ask questions. ons, please fill in the evaluation Remarks: to take notes for y name) on top of the sheet. e slot at the bottom.			
Evaluat	ion sheet				
Team	Efficacy of solution to main objective (0-10)	Elegance of solution to main objective (0-10)	Innovation/contribution of additional tasks (0-10)	Difficulty/Success o overall demonstratio (0-10)	
Fifth					
Fourth Third					
Second					
First					
Remark					
Date $\ensuremath{\mathcal{E}}$ t	ime	Referee	$Team\ leader$	$Team\ leader$	