



RoboCup@Home

Forms & Score Sheets

Version: 2024 0

Last Build Date: March 4, 2024 Time: 831

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)			
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
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	- $ -$		

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



_				RC	boCup @Home
Test:	Carry my Luggage				
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					
Perceiving the cor	rect beg (visualize on screen or say which one)	15			
Picking up the cor	rect 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			
Penalties					
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			
$Special\ Penaltie$	$s \ \mathcal{E} \ Bonuses$				
Not attending		-500			
Using alternative s	start signal	-100			
Score per try		1015			
Total Score		1116			
Remarks:					
Date & time	Referee		Team le	eader	



Test:	Clean Up			Ro	@Home
Team name:	•				
Referee nam	e:				
3.6				-	. ,
Maximum t	time:			5 1	ninutes
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Rewa	ards at the appropriate location	6×100			
Bonus Rewar		0 × 100			
Moving a tiny of		200			
Moving a heavy		200			
Regular Pena					
	at the wrong location	6×-50			
	hina Penalties				
Physically inter	acting with object	6×-60			
Guiding the rob	oot near an object to be moved	6×-40			
Telling where a	n object can be found	6×-30			
_	hich category an object is or where to place it	6×-30			
Pointing out ob	ject to be moved	6×-20			
	$ties {\it ear E} Bonuses$				
Not attending		-500			
Using alternativ	ve start signal	-100			
Score per try		1000			
Total Score		1100			
Remarks:					
Date & time			Team le	ader	



Test:	Farewell			RC	@Home
Team name	e:				
Referee nai	me:				
The maximu	m time for this test is 5 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
	uccessfully guided to thier cab	2×200			
	he medical doctor	200			
Bonus rewe					
Delivering th	9	2×100			
	guest with conversation while ushering pe	rson to the cab 2×100			
Deus Ex M	lachina ot which guest is leaving	2×-30			
	robot to the cab	2×-30 2×-120			
=	robot to the cab robot back to the house	2×120 2×-120			
_	hich person is a medical doctor	-200			
Handover the	-	2×-100			
	nalties & Bonuses				
Not attendin		-500			
Using alterna	ative start signal	-100			
$Score\ per\ t$	ry	1000			
Total Score)	1100			
Remarks:					
Date & time			Team le	eader	



Test:	Find my Mates			RC	фоСир [®] Ноте
Team name:	-				
Referee nam					
The maximum	n time for this test is 5 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal					
Report a gues		2×100			
	on unique feature	2×50			
Provide descri	ption of a guest	2×150			
Bonus rewa					
•	d guest location	150			
Provide descri	ption of a 3rd guest	250			
Deus Ex Mo					
	wave the robot in order to be found	2×-75			
	tell the robot where he/she is sitting/standing				
	approach the robot (e.g. walk and stand in fro	ont of it) 2×-150			
_	$alties~ {\it \& Bonuses}$				
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	

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



Test:	General Purpose Service Robot			Ro	@Hom
Team name:	-				
Referee nan	ne:				
The maximun	a time for this test is 5 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal			<u>-</u>	<u>-</u>	
Executing the	task associated with each command	3×400			
$Bonus\ Rewood$					
	g a command given by a non-expert operator	3×100			
	achina Penalties				
Using a custor	_				
	eech recognition				
_	human to perform parts of the task will apply a ty according to similar penalties in other Stage I to				
_	$alties {\it \& Bonuses}$				
Not attending		-500			
Using alternat	tive start signal	-100			
$Score\ per\ tr$	y	1500			
Total Score Remarks:		1650			

 $Team\ leader$

Referee



Test:	Receptionist				@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
$\overline{Main~Goal}$			1 013		3 013
	e door, when the door bell rings	2×15			
Guide the guest	t to the other guests (navigate to the guest group)	2×100			
Look in the dire	ection of navigation or at the navigation goal	2×50			
Introduce a nev	v guest to every other guest	2×50			
Offer a free sea	t to the new guest	2×100			
Look at the per	rson talking	2×25			
Look at the per	rson the robot is introducing the guest to	2×50			
Bonus Rewar	cds				
Open the entra	nce door for a guest	2×100			
Describe the fir	st guest to the second guest	150			
Penalties					
Wrong guest in or drink)	formation was memorized (continue with wrong nam	ne -50			
Persistent inapp	propriate gaze (away from conversational partner)	-50			
Persistent gaze	not in the direction of the navigation while moving.	-10			
Deus Ex Mac	china				
Alternative HR	I	2×-75			
Not recognizing	g people	2×-200			
Special Penal	$ties \ {\it \&Bonuses}$				
Not attending		-500			
Score per try		1130			
Total Score		1243			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Serving Drinks			Ro	@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
$\overline{Main~Goal}$					
Approaching g	uest without a drink and take order	3×50			
Picking up cor	rect drink from the bar	3×80			
Delivering a dr	ink to the right person	3×70			
Bonus rewar	ds				
Informing a gu	est of drink unavailability upon request	200			
Correcting the	bartender	2×100			
Regular Pene	alties				
Approaching g	uest with a drink and take order (per wrong guest)	-50			
Approaching the	he host to take an order	-50			
Deus Ex Ma	china Penalties				
Guest waves to	the robot to place order	3×-30			
Guest approach	hes the robot to place order	3×-50			
Drink handed	over to the robot (bypass picking)	3×-30			
Drink taken by	a guest (bypass drink handover)	3×-30			
Special Pena	$lties \ {\it \& Bonuses}$				
Not attending		-500			
Using alternati	ve start signal	-100			
Score per try	,	1000			
Total Score		1100			
Remarks:					
$Date \ \mathcal{E} \ time$	Referee		Team le	eader	



Test:	Serve the Breakfast			AC	@Home
Team name:	:				
Referee nan	ne:				
The maximum	n time for this test is 5 minutes.				
Action		Score	1^{st} trv	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$					
Initial navigat	tion to pick up area	15			
Perceiving ob	ject and categorizing it correctly (visualize or say)	4×15			
Picking up br	eakfast items for transportation to the table	4×50			
_	fast items on the table	4×50			
Pouring cerea	l into the bowl	300			
Bonus Rewe					
	into the bowl	300			
	on next to the bowl	100			
Penalties					
	dropping an object on the table	4×-30			
	l while pouring	-100			
Spilling milk		-100			
	achina Penalties	1			
Pointing at an		4×-5			
_	bject over to the robot eing an object on the table	4×-20 4×-60			
=	ring cereal in the bowl	-100			
-	alties & Bonuses	100			
Not attending		-500			
	tive start signal	-100			
	v. 10 bom 6 bigina				
Score per tr	ry	1175			
Total Score		1292			
Remarks:					
Date & time	Referee	-	Team le	eader	



Score per try		1140			
Score per tru		1140			
Using alternative	start signal	-100			
Not attending		-500			
$Special\ Penaltie$	$es~~ {\it \&}~~ Bonuses$				
A human pointing	g at a target location	5×-45			
by the robot					
	an object in the cabinet at a location clearly inc	dicated 5×-30			
·	an object in the cabinet	5×-90			
by the robot	an object in the cabinet at a location clearly inc	incated 0 × 40			
_	an object over to the lobot an object in the cabinet at a location clearly inc				
A human handing	g an object over to the robot	5×-30			
	g an object over to the robot (the object is	clearly 5×-15			
Deus Ex Macha		-1			
· ·	without categorizing it correctly	5×-60			
Penalties		5			
Picking and placing	ng a heavy object	100			
Picking and placing		100			
	net door without human help	200			
Bonus Rewards	•				
Placing an object	next to similar objects on the cabinet	5×50			
Placing an object	in the cabinet	5×15			
	ould be placed (visualize or say)	v			
0 .	s in shelf and saying on which layer the cu				
	ect for transportation to the cabinet	5×50			
	and categorizing it correctly (visualize or say)				
Main Goal Navigating to the	table	15			
Action		Score	1^{st} try	2^{nd} try	$\frac{3^{ra} \text{ try}}{}$
	ne for this test is 3 infinites.	~		d	·l
The maximum tir	ne for this test is 5 minutes.				
Referee name:					
Referee name:	eferee name:				
Team name:					
Cest: Storing Groceries Ceam name:					
Toots	Staning Chassins				@Home



Test:	Take out Garbag	e			AC	@Home
Team name:						
Referee nam	e:					
Maximum t	ime:				5 1	ninutes
Waxiiiaii (0.1	middes
Action			Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Rewa			2×300			
Bonus Reward	de the designated zone		2×300			
Opening the bir			2×100			
Carry both bags			200			
Regular Pena			200			
	side collection zone		2×-100			
Tipping a bin /			2×-50			
	hina Penalties					
Receiving the ba	ag via handover		2×-250			
	$ties \mathcal{C} Bonuses$					
Not attending			-500			
Using alternativ	ve start signal		-100			
Score per try			1000			
Total Score			1100			
Remarks:						
Date & time		$\overline{Referee}$		Team le	ader	



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
$\overline{Main~Goal}$					
	able to pick up items	15			
0	e (cup, bowl) for transportation to the dishwasher	2×40			
_	the for transportation to the dishwasher	50			
	y (spoon, fork) for transportation to the dishwasher	2×80			
	ware and cutlery inside the dishwasher	5×50			
=	correctly (cleanable, convenient like a human would)	5×50			
in the dishwasher	·	<i>3×30</i>			
Bonus Reward	8				
Pulling out the d	ishwasher rack	100			
Pushing in the di	shwasher rack	100			
Opening the dish	washer door	200			
Closing the dishv		200			
_	shwasher tab for transportation to the dishwasher	100			
	vasher tab inside the dishwasher's hatch intended for	200			
the tab		~00			
Deus Ex Mach	ina Penalties				
Pointing at an ob	eject or telling the robot where an object is	5×-20			
Handing an object	ct over to the robot	5×-70			
Placing an object		5×-180			
Special Penalti	es & Bonuses				
Not attending		-500			
Using alternative	start signal	-100			
	Sour o Digital	100			
Score per try		1705			
Total Score		1875			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Enhanced General Purpose Service Ro	.hot		RC	@Home
Team name:	Emission delicital Largost Service 100				
Referee name:					
The maximum tin	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 3×650			
Solve a problem Deus Ex Machi	ina Penalties	3×030			
Asking for locatio		3×-200			,
	nan to perform parts of the task will a	pply a per- 3×-800			
	ccording to similar penalties in other St	age II tests.			
Special Penaltie	es ${\mathfrak C}$ Bonuses	500			
Not attending Using alternative	start signal	$-500 \\ -100$			
	Start Signar	100			
Score per try		2400			
Total Score		2640			
Remarks:					
Date & time			Team le	eader	

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



Test:	Find my Disk			Ro	@Home
Team name	e:				
Referee na	me:				
The maximu	m time for this test is 5 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Main Goal		200			
Provide an a Desired disk	ccurate description of the desired disk	600 600			
Bonus rew		000			
	or to find a second disk	800			
	$nalties~ {\it \& Bonuses}$				
Not attendin		-500			
Using alterna	ative start signal	-100			
Score per t	ry	2000			
Total Score	2	2200			
Remarks:					
remarks.					

 $Team\ leader$

Referee



Test:	Hand me That				@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					
Correctly determ	ine each item	5×400			
Correctly determ	ine an item on the second attempt	5×-150			
Correctly determ	ine an item on the third or fourth attempt	5×-300			
Correctly determ	ine an item on a subsequent attempt	5×-400			
Asking 1 clarifying	ng question	5×-100			
Asking 2 clarifying	ng questions	5×-200			
Asking 3 or more	e clarifying questions	5×-350			
Deus ex Mach	ina Penalties				
Being told the na	ame of the object	5×-400			

-500

-100

2000

2200

Remarks:

Not attending

Score per try

Total Score

Special Penalties & Bonuses

Using alternative start signal



Test:	Set the Table				AC.	@Home
Team name:						
Referee name	e:					
The maximum	time for this test is 10 mir	nutes.				
Action			\mathbf{Score}	1^{st} try	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$						
	er or cupboard door		100			
Pick up plate a			2×50			
Pick up knife, s	spoon, and fork		3×150			
Pick up napkin	l		50			
Correctly place	e each item		5×100			
Pointing at obj	lect		5×-25			
Pointing at des	etination		5×-50			
Bonus rewar	ds					
Layplace mat b	pefore objects		500			
Placing all obje	ects correctly		250			
Closing the doc	or or drawer		50			
Special Pena	$lties \ {\it \&Bonuses}$					
Not attending			-500			
Using alternati	ve start signal		-100			
Score per try			2000			
Total Score			2200			
Remarks:						
Date & time		leferee		Team le	eader	



Test:	Restaurant			Ro	@Home
Team name:					
Referee name:					
Maximum time	:			15	minutes
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Rewards					
Detect calling or way	ving customer	2×100			
Reach a customer's t	sable without prior guidance/training	2×100			
Take an order.		2×300			
Serve an order.		2×300			
Bonus Rewards					
Use an unattached to	ray to transport	2×200			
Regular Penalties	. 1 1:	0 100			
	act when taking an order	2×-100			
Deus ex Machina Being guided to a ta		2×-200			
	to handover object to the robot	4×-200			
	te the object from a tray or the robot's hand	4×-100 4×-100			
	where is a table $/Kitchen$ -bar	2×-100			
Special Penalties	•	2×-100			
Not attending	e bonuses	-500			
Using alternative sta	rt sional	-100			
	1 (515 Mar				
Score per try		2000			
Total Score		2200			
Remarks:					
Date & time			Team le	ader	



Test:	Smoothie Chef				@Home
Team name	:				
Referee nar	me:				
The maximu	m time for this test is 10 minutes.				
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$					
	aree fruits in the blender	3×200			
_	aspoon of sugar in the blender	300			
=	in the blender	300			
Bonus Rew					
	r in the blender without spilling	400			
	in the blender without spilling	400			
Regular Pe		,			
-	correct fruit into the blender	3×-200			
_	Tachina Penalties				
	test in front of the kitchen counter	-150			
	object over to the robot	-200			
_	bbot which ingredient comes next	-250			
Using a custo		-250			
_	nalties & Bonuses				
Not attendin		-500			
	ative start signal	-100			
Score per to	ry	2000			
Total Score		2200			
Remarks:					
Date & time	Referee		Team le	eader	



Test:	Stickler for Rules			RC	@Home
Team name:					
Referee nam	e:				
Maximum t	zime:			10	minutes
Action		Score	1^{st} try	2^{nd} try	3^{rd} try
Regular Rew Identify a gues log).	pards st breaking a house rule (indicating the rule by voice of	or 4×100			
*	ntact, politely clarify to the guest what action he shoul	ld 4×100			
Confirm that t	the guest is following the rule.	4×200			
Bonus Rewa Making eye-co broken.	ards ontact, politely clarify to the guest what rule is being	ng 4×100			
	uest about a rule they are not breaking	4×-100			
	china Penalties	/v 50			
	ets the robot towards a guest who is breaking a rule the robot which rule is being broken	<i>4</i> ×− <i>50</i> <i>4</i> ×− <i>100</i>			
	$alties~ {\it \& Bonuses}$.,			
Not attending		-500			
Using alternat	ive start signal	-100			
Score per try	y	2000			
Total Score		2200			
Remarks:					
Date & time	$\overline{Referee}$		Team le	eader	



Test:	Where is this			AC	@Home
Team name:					
Referee name:					
The maximum ti	me for this test is 10 minutes.				
Action		\mathbf{Score}	1^{st} try	2^{nd} try	3^{rd} try
$\overline{Main~Goal}$					
Describing and sl	now the requested location accurately	3×100			
Monitoring opera	tor's navigation, intervening when necessary	3×200			
Describing the ar	eas of the Arena traversed during navigation	3×100			
$Bonus\ rewards$					
Leading non-expe	_	3×100			
Giving instructio tions	ns to returning operator based on previous instr	ruc- <i>300</i>			
Natural interaction	on while guiding	200			
Deus Ex Mach	ina Penalties				
Bypassing speech	recognition	3×-50			
Helping the robo	t find the operator	3×-150			
Special Penalti	$es~ {\it \&}~ Bonuses$				
Not attending		-500			
Using alternative	start signal	-100			
Score per try		2000			
Total Score		2200			
Remarks:					
Remarks:					
D-4- 67 11	n /	_		1 .	
Date $\&$ time	Referee		Team le	eaaer	



_	Final Dem	onstration — Jury Evaluat	tion	RoboC
Feam nam	e:			
Referee na	me:			
Instruction	ıs:			
1. Please	watch all demons	strations carefully.		
		nstration you may ask ques		
		d questions, please fill in th		V.
	-	below "Remarks:" to take "referee name") on top of		
	,	"Referee" slot at the botte		
01 10-0-2				
Evaluation	sheet			
_	Originality and	Relevance/usefulness to	Elegance of	Success of
Team	presentation*	everyday life	overall demonstration	overall demonstration
T: 6:1	(0-10)	(0-10)	(0-10)	(0-10)
Fifth Fourth				
Third				
Second First				

Referee $Date \ \ \mathcal{U} \ time$ $Team\ leader$

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



Test:	Final Demonst	ration — Executive Committee		Robo Cup @Home
Team na	me:			
Referee :	name:			
 At t Afte You 	ase watch all demonstrated end of the demonstrated end quantum and quantum may use the space below	ions carefully. ation you may ask questions. estions, please fill in the evalua w "Remarks:" to take notes for eree name") on top of the sheet	yourself.	
6. Sign Criteria: Scie Con Rele	the form using the "Re	eferee" slot at the bottom.		
Evaluatio	on sheet			
Team	Efficacy of solution to main object (0-10)	Elegance of solution to main objective (0-10)	Innovation/contribution e of additional tasks (0-10)	Difficulty/Success of overall demonstratio (0-10)
Fifth	, ,			
Fourth Third				
Second				
First				
Remarks	S:			

Referee

 $Team\ leader$