



# RoboCup@Home

Forms & Score Sheets

Version: 2025 1

# 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	em
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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к	e	rr	ıa	r	ks	:

Date & time	$\overline{Referee}$	$\overline{Team\ leader}$
Pate O time	пејетее	ream teauer

Remarks:



Carry				@Home
	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
car	300			
visualize on screen or say which one)	15			
	100			
e obstructing the path	50			
•	car visualize on screen or say which one) le obstructing the path	Score  car 300 visualize on screen or say which one) 15 100	Score $1^{st}$ try  car $300$ visualize on screen or say which one) $15$ $100$	Score $1^{st}$ try $2^{nd}$ try car $300$ visualize on screen or say which one) $15$

Following the person to the car	300	 	
Perceiving the correct beg (visualize on screen or say which one)	15	 	
Picking up the correct bag	100	 	
Avoiding the crowd of people obstructing the path	50	 	
Avoiding the small object on the ground	50	 	
Avoiding the hard-to-see object	50	 	
Avoiding the area blocked with retractable barriers	50	 	
Bonus rewards			
Re-reaching the starting location	200	 	
Joining and staying in the queue on the way to the arena	300	 	
Penalties			
Dropping the bag	-50	 	
Deus Ex Machina Penalties			
Rediscovering the operator by natural interaction	-50	 	
Rediscovering the operator by unnatural interaction	-100	 	
Rediscovering the operator by asking them to come back	-150	 	
Rediscovering the operator by direct contact	-200	 	
Special Penalties & Bonuses			
Not attending	-500	 	
Using alternative start signal	-100	 	
Outstanding performance	111	 	
Recordings			
Duration (limit: 5:00 minutes)		 	
Restart after (sec)		 	
Score per try	1115	 	
Total Score	1226		

$Date \ \mathcal{E} \ time$	$\overline{Referee}$	$\overline{Team\ leader}$



Test:	General Purpose Service Robot			Ro	@Home
Team name:					
Referee name:					
Action		Score	$1^{st}$ $\mathbf{try}$	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Executing the task associated with each command		3×400			
Bonus Rewards	3				
Understanding a	command given by a non-expert operator	$3 \times 100$			
Deus Ex Mach	ina Penalties				
Using a custom o	perator	$3 \times -50$			
Bypassing speech recognition		$3 \times -50$			
Instructing a hur	nan to perform parts of the task will apply a	per- <i>3</i> ×- <i>400</i>			

 $Special\ Penalties\ \ \mathcal{C}\ Bonuses$ -500Not attending Using alternative start signal -100Outstanding performance 150 RecordingsDuration (limit: 5:00 minutes) Restart after (sec) 1500 Score per try

centage penalty according to similar penalties in other Stage I tests.

**Total Score** 1650 Remarks: Date & time Referee $Team\ leader$ 

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



$\Gamma\!\mathrm{est}$ :	Receptionist			Ro	@Home	9
Team name:						
Referee name:						
f Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try	
Main Goal						-
Offer a free seat to	the new guest	$2 \times 100$				
=	ound (navigate to the beverage area and living room)	$2 \times 30$				
	ion of navigation or at the navigation goal	$2 \times 15$				
Tell position of fav		$2\times20$				
Look at the person		$2 \times 75$				
_	ests to each other	180				
$Bonus\ Rewards$						
Open the entrance	9	2×200				
	between an interest between two or more persons	50				
Describe the first groom (per correct	guest to the second guest before reaching the living visual attribute)	4×30				
Penalties						
Wrong guest infordrink or interest)	mation was memorized (continue with wrong name,	6×-20				
	guest to the second guest before reaching the living et visual attribute)	4×-30				
Introduce the wro	ng persons	-120				
Deus Ex Machi	na					
Alternative HRI		$2\times-75$				
Not recognizing p	eople	$2\times-200$				
$Special\ Penaltie$	$s   \mathcal{E}   Bonuses$					
Not attending		-500				
Outstanding perfo	rmance	123				
Recordings						
Duration (limit: 6	,					
Restart after (sec)						_
Score per try		1230				
Total Score		1353				
Remarks:						
Remarks:						

 $Team\ leader$ 

Referee

RoboCup @Home
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Test:	Storing Groceries
Team name:	
Referee name:	

Action	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal				
Navigating to the table	15			
Perceiving object and categorizing it correctly	$5 \times 15$			
Picking up an object for transportation to the cabinet	$5 \times 50$			
Perceiving objects in shelf and saying on which layer the currently	$y = 5 \times 15$			
handled object should be placed				
Placing an object in the cabinet	$5 \times 15$			
Placing an object next to similar objects on the cabinet	$5 \times 50$			
Opening the first cabinet door	200			
Opening the second cabinet door	100			
Pouring cereal into the container	300			
Bonus Rewards				
Picking up an object from the shopping bag	$5 \times 50$			
Picking up a tiny object	70			
Placing a tiny object	30			
Picking up a heavy object	70			
Placing a heavy object	30			
Autonomously Picking any Object	50			
Autonomously Placing any Object	50			
Deus Ex Machina Penalties				
Perceiving object and categorizing it wrongly	$10 \times -15$			
A human handing an object over to the robot	$5\times-50$			
A human placing an object in the cabinet	$5 \times -15$			
A human placing an object in the cabinet next to similar objects	$5\times-50$			
A human pointing at a target location	$5 \times -25$			
A human opening the cabinet door	2×-100			
Spilling cereal while pouring	-100			
Leaving cereal in the box	-100			
A human pouring cereal in the bowl	-300			
Special Penalties & Bonuses	900			
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	-100 $189$			
	109			·
Recordings Duration (limit: 7:00 minutes)				
,				
Restart after (sec)				
Score per try	1890			
Total Score	2079			

Remarks:		
$\overline{\textit{Date \& time}}$	Referee	Team leader



Test:	Clean the Table
Team name:	
Referee name:	

Action		Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Main Goal					
Navigate to the table to pick up items		15			
Picking up the cup, bowl and drinks for	transportation	4×50			
Picking up cutlery (spoon, fork) for train	nsportation	2×80			
Picking up the plate for transportation	-	100			
Placing the tableware and cutlery inside	e the dishwasher	$5 \times 50$			
Placing an item correctly (cleanable, coin the dishwasher	onvenient like a human would	d) 5×75			
Placing a drink inside the trash bin		$2 \times 50$			
Bonus Rewards					
Pulling and pushing the dishwasher rack	k	2×100			
Opening and closing the dishwasher doc		2×200			
Picking up the dishwasher tab for trans	portation to the dishwasher	100			
Placing the dishwasher tab inside the d		or 200			
the tab					
Wiping the area where the drink was		$2 \times 50$			
Autonomously Picking any Object		50			
Autonomously Placing any Object		50			
Deus Ex Machina Penalties					
Handing cup, bowl and drinks over to t	he robot	$3 \times -50$			
Handing cutlery over to the robot		$2\times-80$			
Handing the plate over to the robot		-100			
Having a human place an object in the	dishwasher	$5 \times -50$			
Having a human place a drink inside th		$2 \times -50$			
A human pointing at the trash bin		$2 \times -25$			
Special Penalties & Bonuses					
Not attending		-500			
Using alternative start signal		-100			
Outstanding performance		230			
Recordings		,,,,,			
Duration (limit: 10:00 minutes)					
Restart after (sec)					
Score per try		2300			
Total Score		2530			
Remarks:					
Date & time	Referee		Team le	eader	



Test: Enhanced General Purpose Service Robot	@Home
Team name:	
Referee name:	
A 1.	and i
	$\frac{3^{rd} \text{ try}}{}$
Main Goal (can be repeated unlimited times) Find and clearly state an encountered problem $3 \times 150  \underline{\hspace{1cm}}  \underline{\hspace{1cm}}$	
Solve a problem $3 \times 650$	
Penalties	
Find repeated problem category  -100	
Solving repeated problem category for the 2nd time $-300$	
Solving repeated problem category for the 3rd (or more) time -500	
These Penalties are applied before any percentage based Deus Ex  Machina Penalties	
Deus Ex Machina Penalties	
Asking for location of a problem $3 \times -150$	
Instructing a human to perform parts of the task will apply a	
percentage penalty according to similar penalties in other	
Stage II tests. $3 \times -650$	
$Special\ Penalties\ {\it \&Bonuses}$	
Not attending -500	
Using alternative start signal $-100$	
Outstanding performance 240	
Recordings	
Duration (limit: 10:00 minutes)	
Restart after (sec)	
Score per try 2400	
Total Score 2640	
Referee Information: Note each problem (category, item, location) and mark if they are stated	by the
robot in remarks	by the
Remarks:	
$egin{array}{cccccccccccccccccccccccccccccccccccc$	



Test:	Restaurant	@Hom
Team name:		
Referee name:		

Action	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards				
Detect calling or waving customer	$2 \times 100$			
Reach a customer's table without prior guidance/training	$2 \times 100$			
Understand and confirm the order received to the customer	$2 \times 200$			
Communicate the order to the barman	$2 \times 100$			
Return to the customer table with the order	$2 \times 100$			
Serve the order to the customer	$2 \times 200$			
Bonus Rewards				
Use an unattached tray to transport	$2 \times 200$			
Regular Penalties				
Being guided to a table	$2\times-200$			
Not making eye-contact when taking an order	$2 \times -80$			
Not reaching the bar (barman has to move from behind the bar to int	teract $2 \times -80$			
with the robot)				
Deus ex Machina Penalties				
Asking the Barman to handover object to the robot	$4 \times -50$			
Guest needing to take the object from a tray or the robot's hand	$4 \times -50$			
Being told/pointed where is a table/Kitchen-bar	$2 \times -100$			
Special Penalties & Bonuses				
Not attending	-500			
Using alternative start signal	-100			
Outstanding performance	200			
Recordings				
Duration (limit: 15:00 minutes)				
Restart after (sec)				
Score per try	2000			
Total Score	2200			

Remarks:

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



Test: New HRI				@Home
Team name:				
Referee name:				
Action	Score	$1^{st}$ try	$2^{nd}$ try	$3^{rd}$ try
Regular Rewards				
Approach a calling operator	100			
Approach the human's hand without contact	$5 \times 50$			
Receive an object from the operator	$5 \times 100$			
Use natural interaction to clarify ambiguous delivery locations	5× 50			

Approach a calling operator	100	 	
Approach the human's hand without contact	$5 \times 50$	 	
Receive an object from the operator	$5 \times 100$	 	
Use natural interaction to clarify ambiguous delivery locations	$5 \times 50$	 	
Place an object at the correct location	$5 \times 100$	 	
Penalties			
Initiating unattended interaction (e.g., talking to the open air)	$5 \times -50$	 	
Place an object at the wrong location or by guessing the inter		 	
location			
Deus Ex Machina Penalties			
Instruct the user how to hand over an object	$5\times-75$	 	
Special Penalties & Bonuses			
Not attending	-500	 	
Using alternative start signal	-100	 	
Outstanding performance	160	 	
Recordings			
Duration (limit: 10:00 minutes)		 	
Restart after (sec)		 	
Score per try	1600	 	
Total Score	1760		

Remarks:

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



<b></b>			RoboCup @Home
Test:	Final Demonstration		
Team name:		_	
Referee name:		_	
Action		Score	Single try
•	n be repeated unlimited times)		
=	state an encountered EGPSR problem	$3 \times 150$	
Solve a EGPSR p		$3 \times 650$	
	r of the Apartment	600	
Closing the Dishv		600	
Closing a Cabine	t Door	300	
Custom Task			
Custom Task			
Custom Task			
Penalties	N= N=		
_	GPSR problem category	-100	
	EGPSR problem category for the 2nd time	-300	
	EGPSR problem category for the 3rd (or more) time	-500	
Deus Ex Mach			
Asking for location	_	$3 \times -150$	
,	blies if the robot continues scoring afterwards)	-50	
_	nan to perform parts of the task will apply a		
	by according to similar penalties in other		
Stage II tests.		$3 \times -650$	
Recordings			
Duration (limit:	,		
Restart after (sec	)		
Total Score		3900 _	
Referee Inform robot in remarks	ation: Note each problem (category, item, location) a	and mark if t	hey are stated by the
Remarks:			
Date & time	$\overline{Referee}$	Team	$\frac{1}{leader}$