



# RoboCup@Home

Forms & Score Sheets

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## Registration Form



Team name:		
Team leader name:		
Weight & dimensions (robot 1):		
Weight & dimensions (robot 2):		
External devices:		
Possible manipulation heights:		
Manipulable objects:		
Safety first!		
<del>-</del>	_	eans that the robot is not allowed to go faster ent with humans it may not exceed a walking
immediately if there is a remote possible	ility of dangerous behavi tional committee, an Ex	e scenario the owners have to stop the robot or towards people and/or objects. If a referee, eccutive or Trustee of the federation tells the bot has to be stopped <i>immediately</i> .
immediately by a decision of the Rob	ooCup@Home Technical	n be excluded from the ongoing competition Committee. Furthermore, the team and its od not less than a year by a decision of the
I have read and fully understood the "the rules in the official RoboCup@Hor		and agree to it. Furthermore, I agree to obey
$egin{array}{cccccccccccccccccccccccccccccccccccc$	eam leader	



			R	oboCup @Home
Test:	Robot Inspection			
Team name:				
Referee name:				
	me for this test is 7 minutes for one robot and 9 minutes total score in this test is limited to 500 points.	tes for two ro	bots. If the	time limit
A non-functionin	g robot can be registered by a team member.			
For the evaluatio	n of the posters, every team leader gives up to 10 point	ts for each po	ster presen	ted.
Action		Score	1st try	2nd try
Registration				
Non-autonomous	registration	100		
Autonomous regi	stration (one robot)	500		
Autonomous regi	stration (two robots)	$2 \times 250$		
Neat Appearan	CP			
No wires hanging	g out of the robot, e.g. no functional wire has to be no duct-tape, internals covered, etc.	200		
Poster session				
Arithmetic mean	of scoring from evaluation sheets $\times$ 30	300		
Special penaltic	es ${\mathfrak C}$ bonuses			
Not attending		-500		
Outstanding perf	ormance	100		
Total score		1100		
Remarks:				

 $Team\ leader$ 

Referee

 $Date \ \mathcal{E} \ time$ 

RoboCup @Home
<b>Фноте</b>

Test:	Poster Session
Referee name:	

Team	Score	Result
CAS@Home	10	
Uchile HomeBreakers	10	
WrightEagle@Home	10	
ZJUPanda@Home	10	
b-it-bots	10	
homer@UniKoblenz	10	
NimbRo@Home	10	
ToBI	10	
MRL@Home	10	
Sourena	10	
eR@sers	10	
Ho-Ryu	10	
NANISHA	10	
Pumas	10	
Radical Dudes	10	
MINHO@Home	10	
DCR-I	10	
Robo-Erectus@Home	10	
RH5-Y	10	
Alrobot@home	10	
Crude Scientists	10	
TKU Placema MV	10	
Plasma-MK	10	
GT@Home	10	

Remarks:	
Date & time	 



Test:	Follow Me		R	©BoCup @Home
Team name:				
Referee name:				
The maximum tir	ne of the test is $8  minutes$ , including calibrating on the	ne operator.		
Action		Score	1st try	2nd try
Checkpoint 1: '	Temporary occlusion			
Successfully resun	ne following the operator	100		
Checkpoint 2: 7	Tracking from the distance			
Understanding the	e user command	50		
Bonus for using a	gesture	100		
Waiting a minimu operator	am of 10 seconds and then finding and following the	100		
Checkpoint 3: 1	Recognize owner			
Understanding the	e user command	50		
Bonus for using a	gesture	100		
Recognizing and f	ollowing the operator after he returns	200		
Checkpoint 4: 1	$Finish\ line$			
Crossing the finish		200		
No touching				
•	ckpoints and not having touched any object or human	100		
$Special\ penaltie$	$s \mathrel{\it E} bonuses$			
Not attending		-500		
Outstanding perfe	ormance	100		
Total score		1100		
Remarks:				
Remarks:				

 $Team\ leader$ 

Referee

 $Date \ \mathcal{E} \ time$ 



			R	oboCup @Home
Test:	Go Get It!			
Team name:				
Referee name:				
The maximum tim	ne for this test is 5 minutes.			
	be given once in this test. If the robot identifies an cing the correct object.	bject wrong	gly, it cannot	receive the
	s enters the room of the other robot for more than 30 r interferes with the other robot, then the test is finis area.		-	_
Action		Score	1st try	2nd try
Navigating to th	ne room			
Successfully reach	ing the correct room	200		
Identifying an o	object			
	y indicates which of the (known) objects it has idenas to be facing it and be within a distance of max.	200		
Grasping the ob	ject			
Grasping the objection of than 10 second or than 10 second or the objection of the objectin	ct and successfully lifting it up to at least 5 cm for $nds$	200		
Handing to user	r			
	ning to the operator and handing the object to erator has to be in the same place as he/she was obot where to go.	300		
Leaving the area	na			
Autonomously lea	ving the arena within the time limit	100		
$Special\ penalties$	s & bonuses			
Not attending		-500		
Using start buttor	1	-50		
Outstanding perfo	rmance	100		
Total score		1100		
Remarks:				

 $Team\ leader$ 

Referee

 $Date \ \mathcal{E} \ time$ 



Test:	Who Is Who		R	@Home
Team name				
Referee nan				
The maximum	m time for this test is 7 minutes.			
When using a least $50 \text{ cm}$ .	an onboard microphone, the distance between the person s	speaking and	the robot h	as to be at
Action		Score	1st try	2nd try
Receive gue	sts			
Understandin	ng name	$2 \times 25$		
Using onboar	d microphone	$2 \times 100$		
Searching g	uests			
Correctly idea	ntifying a person as a human $(1 \times per person)$	$5 \times 50$		
Correctly idea	ntifying a known person by its name	4 × 75		
Correctly ind	icating that a person is unknown	100		
Confounding name)	one of the persons (identifying him/her by the wrong	-100		
Incorrectly id	entifying something as a human	-150		
Leaving the	arena			
_	y leaving the arena within the time limit	100		
Autonomousl	y opening the door before leaving	250		
Special vene	$alties~ {\cal E}~bonuses$			
Not attending		-500		
Using start b		-50		
Outstanding		100		
Total score		1350		
Remarks:				
Date & time		Team leader		_



Test:	Enhanced Who Is Who		E	@Home
Team name:		_		
Referee name:		_		
Test repetition:	$\square$ 1st $\square$ 2nd			
The maximum time	e for this test is 10 minutes.			
Action		Score	1st try	2nd try
$Receive\ guests$				
Understanding nam	e	$3 \times 25$		
Using onboard micro	rophone	$3 \times 100$		
Taking the order				
Finding the calling	person and asking it for its order	250		
Asking the wrong p	erson or something that is not a person for its order	-150		
Grasping drinks				
Grasping a drink a more than 10 secon	and successfully lifting it up to at least $5 cm$ for $ds$	$3 \times 200$		
Delivering drinks	3			
Delivering the corre	ect drink to the person which ordered the drinks	200		
Delivering to the ot	her standing person	225		
Delivering to the si	ting person	250		
Leaving the aren	a			
Autonomously leave	ing the arena within the time limit	100		
Special penalties	${\cal E}\ bonuses$			
Not attending		-500		
Using start button		-50		
Outstanding perform	mance	200		
Total score		2200		
Remarks:				
Date & time	${Referee}$	Team leader		_



Test:	General Purpose Service Robot			@Home
Team name:		_		
Referee name:		_		
Test repetition:	$\square$ 1st $\square$ 2nd			
The maximum time	e for this test is 10 minutes.			
Action		Score	1st try	2nd try
$Category\ I$				
Asking correct/reas	conable questions (to require missing information)	300		
=	ask or more (showing that the robot has understood works on the test) $and$	200		
Completely solving	the task	300		
Category II				
9	obot has understood the command and works on	200		
Solving the task up	the point where the error occurred	200		
Indicating that a pr	coblem has occurred while executing the task	200		
Returning to the us	er and explaining what went wrong	200		
Giving an alternati	ve solution to the problem	200		
$Total\ Score$				
$\max (Cat. I) + \max$	(Cat. II) = 1800			
$Special\ penalties$	& bonuses			
Not attending		-500		
Using start button		-50		
Outstanding perfor	mance	180		
D. ( - 1		1000		
Total score		1980		
Remarks:				
Date & time	Referee	Team leader		_



Test:	Shopping Mall			@Home
Team name:				
Referee name:				
The maximum tir	me for this test is 10 minutes.			
Action		Score	1st try	2nd try
Guide Phase				
Reaching a location	on in the guide phase	$4 \times 50$		
Navigation Pho	ise			
Reaching a location	on in the navigation/manipulation phase	$3 \times 150$		
Grasping the co	prrect objects			
Successfully grasp	oing a correct object from the shelf	$3 \times 200$		
Successfully grasp	oing from at least 2 different heights	150		
Delivering the	correct objects			
	ering (and handing over) the correct object to the	$3 \times 150$		
No Touching Successfully solving.	ng the complete test in time without touching any-	150		
Special penaltie	$s \ {\cal E} \ bonuses$			
Not attending		-500		
Outstanding perfe	ormance	200		
Total score		2200		
Remarks:				
Date & time	Referee	Team leader		_