

## 6.3 Receptionist [Party Host]

### Description

The robot has to take new guests to the living room to introduce them and offer a free place to sit.

**Main goal:** Introduce newcomers to a party and maintain appropriate gaze direction (at person, direction of navigation).

**Optional goals:**

1. Open the entrance door for each arriving guest.
2. Describe the guest for the other people.

### Focus

*System Integration, Human-Robot Interaction, Person Detection, Person Recognition*

### Setup

- **Location:**

- The test takes place in the living room.
- The robot starts inside the *Arena* at a predefined location near the entrance door.
- **Entrance:** The entrance door is open by default. The team leader can request to close the door to score additional points by opening it for the guests.

- **People:**

- **Host:** The host's name and favorite drink will be announced before the test. The host is already sitting in the living room. the robot knows the host.
- **Guests:** The guests have a name and favorite drink. An arriving guest will either step in front of the robot or ring the bell if the door is closed. Guests have to be guided to the living room to be introduced. Each of the guest will arrive separately.

### Procedure

- **Introductions:** When introducing guests, the robot must clearly identify the person being introduced and state their name and favorite drink. Introducing two people means to introduce them to each other.
- **Seating People:** The robot must point at a place or location where the guest can sit.
- **Switching Places:** Guests may switch places after they were seated.
- **Describing the First Guest:** Naming at least 4 characteristics of the first guest, i.e., color of clothes, color of hair.
- **Looking at person/direction of navigation:** During verbal interactions and descriptions of people, robot looks at the conversational partner. Robot can point at the person being introduce/described or alternate gaze between two people. During navigation robot looks in the direction where it is going.

### Additional rules and remarks

1. **Misunderstanding:** Not understanding the guests and asking them again is fine.
2. **Offer a seat:** The instructions for the seat must be clear (do not point to the void).

## Instructions

### To Referee

The referees need to:

- Assign name and drink to 3 volunteers.
- Arrange (and re-arrange) people in the living room.
- Open the door when requested by the robot.

### To OC

During setup day:

- Provide the doorbell sound.

2h before test:

- Announce starting position.
- Announce host's name and favorite drink.
- Recruit volunteers as host and guests.

## Score sheet

The maximum time for this test is 8 minutes.

Action	Score	1 <sup>st</sup> try	2 <sup>nd</sup> try	3 <sup>rd</sup> try
<b>Main Goal</b>				
Introduce the new guest to every other guest (Say guest's correct name)	3×150	_____	_____	_____
Say guest's correct drink	3×100	_____	_____	_____
Offer a seat to the new guest (if available)	3×200	_____	_____	_____
Point at the person being described (base, manipulator or face direction)	3×100	_____	_____	_____
<b>Regular Penalties</b>				
Offer a seat already taken	3×-200	_____	_____	_____
<b>Bonus Rewards</b>				
Open the entrance door for a guest	3×100	_____	_____	_____
Describe the first guest (at least 4 characteristics) to the second guest	50	_____	_____	_____
<b>Deus Ex Machina</b>				
Alternative HRI	3×-75	_____	_____	_____
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<b>Score per try</b>	2000	_____	_____	_____
<b>Total Score</b>	2000	_____		