



## IEEE SA - 1872.2 Standard for Autonomous Robotics (AuR) Ontology Working Group

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### Call and Agenda

Meeting Agenda for October 2, 2018, 7AM-11AM UTC

You have been invited to the IEEE SA WG P1872.2 meeting. Join the meeting:

<https://join.skype.com/Buruz9jby49e>

1. Call to order (Paulo)
2. Introduction and rosters (Alberto)
3. Approve today's agenda (Paulo)
4. Approve prior meeting's minutes (Alberto; Sep 7)
5. Essential Patent Claims (Paulo)
6. Status updates/previous action items (Paulo)
7. Technical discussion
8. Next meeting's topic: nomination of presentation
9. New business/announcements/events/last thoughts
10. Close meeting (Paulo)

## Minutes for the Official Meeting on October 2, 2018

Alberto Olivares-Alarcos transcribing



### Rosters

- Y and N state for Yes and No
- ^ means the attendee is a *Voting Member*
- Members highlighted in **green** are eligible to become a *Voting Member*
- Members highlighted in **red** are eligible to lose *Voting Membership*
- Last column contains today's meeting attendees

Attendee Name	Role	Affiliation	Current Voting	Meetings Attended / last two	5-Oct
<b>OBSERVATIONS</b>					<b>IROS 2-Oct</b>
Howard Li	Chair	University of New Brunswick, Canada	Y	2	N^
Paulo Gonçalves	Co-Chair	IDMEC, Portugal	Y	1	Y^
Veera Ragavan	Co-Chair	Monash University, Australia	Y	1	Y^
Alberto Olivares Alarcos	Secretary	IRI-CSIC, Spain	Y	2	Y^
Alaa Khamis	Member	General Motors, Canada	Y	1	Y^
Chris Nowak	Member	DST Group, Australia	N	2	N^
João M.L. Quintas	Member	Pedro Nunes Institute, Portugal	Y	0	N
Julia Bermejo	Member	UPM, Spain	Y	2	Y^
Ricardo Sanz	Member	UPM, Spain	Y	1	Y^
Stefano Borgo	Member	ISTC/ CNR, Italy	Y	1	N^
Edison Pignaton	Member	UFRGS, Brazil	Y	2	N^
Elisa Tosello	Member	UNIPD, Italy	N	2	N^
Daniel Beßler	Member	University of Bremen, Germany	-	-	-
Mohammed Diab	Member	UPC, Spain	-	-	Y^
Marcos E. Bareto	Member	UFBA, Brazil	Y	0	N
Bao U. Nguyen	Member	University of Ottawa, Canada	Y	0	N
Joanna I. Olszewska	Member	University of West Scotland, UK	Y	0	N
Amelie Gyrard	Member	Knoesis, Wright State University	Y	0	N
Edson Prestes	Member	UFRGS, Brazil	Y	0	N
Sandro R. Fiorini	Co-Chair	IBM, Brazil	Y	0	N

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Joel L. Carbonera	Co-Chair	UFRGS, Brazil	Y	0	N
Hiren Nakawala	Member	University of Verona, Italy	-	-	
Carlos Hernández	Member	TU Delft, Netherlads	-	-	
Abdelghani Cibani	Member	UPEC, France	-	-	
Eren Erdal Aksoy	Member	Halmstad University / Volvo	-	-	
<b>Dormant/Inactive</b>					
Kathryn Bennett	Guest	IEEE-SA	N	-	
Craig Schlenoff	Member	NIST	N		
Jaeho Lee	Member	University of Seul	N		Y
JiSang Hoon	Member	KITECH, Republic of Korea	N		Y
Ki-Yeop Sung	Member	KAR, Republic of Korea	N		Y
Taeyoung Uhm	Member	KIRO, Republic of Korea	N		Y
Sebastian	Guest	IEEE-RAS	N		Y
Christy Bahn	Program Manager	IEEE-SA	N		Y
Signe Redfield	Guest	United States Naval Research Laboratory	N		
Ali Akbari	Guest	UPC, Spain	N		
<b>Total Attendees</b>					13
<b>Voting Members</b>			17		12
<b>Voting Members Present</b>					7
<b>Quorum</b>					Y

João, Marcos, Bao, Joanna and Amelie lost their voting membership.

### Approval today's meeting agenda

Motion Proposal : Paulo

Seconded by: Alberto

Accepted Agenda: Yes

### Approval prior minutes

Minutes were distributed and also made available on our google drive. Thus, members could have read them, but Alberto summarized the minutes to ensure that everyone knew about them.

Motion Proposal: Alberto

Seconded by: Paulo

Accepted Minutes: Yes



## Call for Essential Patent Claims (Alberto)

Done

## Status updates/previous action items (Howard)

- Standard Outline (we need to continue working on it)
- Cloud Robotics Case Study (validation of our current ontology development)

## Technical discussion

**Topic:** Goals and Current State | Standard outline | Definitions

During this discussion, several new Natural Language definitions were provided by the people who attended the meeting. Paulo put all the definitions together into some slides. In this document, we can read some extra comments which the secretary considered relevant to be written.

- Discussion about the concept of 'Behaviour'  
Behaviour and Action are related but action and task are also related, since the 1872.1 group has to define Task, we need to align our definition of action with their one.  
The idea of different levels of abstraction rose because it is necessary to distinguish clearly actions and behaviours. More simple behaviours (which form complex or composed behaviours) could be understood as actions if we do not take care of it.
- Discussion about the concept of 'Function'  
Input and Output should appear when defining 'function'. Some of the definitions (see Ricardo's one) capture this need.  
Function as 'design intent' probably should be avoided if we want to not have ambiguities.
- Discussion about 'Structure'  
See definitions

## Next meeting's topic: nomination of presentation

- (still to decide) - Veera about 'pizza delivery case study'

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### New business/announcements/events/last thoughts

- Paulo did a summary of the session so that everyone was able to propose modifications to the notes which were taken during the discussion.
- Next official meeting for November 8

### Close meeting (Paulo)

Adjourned 11:00 AM UTC