



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

Call and Agenda

Meeting Agenda for March 8, 2019, 1PM-2:30PM 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 (Howard)
2. Introduction and rosters (Alberto)
3. Approve today's agenda (Howard)
4. Approve prior meeting's minutes (Alberto; Jan 31)
5. Essential Patent Claims (Alberto)
6. Status updates/previous action items (Howard)
7. Technical discussion
8. Next meeting's topic: nomination of presentation
9. New business/announcements/events/last thoughts
10. Close meeting (Howard)

Minutes for the Official Meeting on March 8, 2019

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

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Joel L. Carbonera	Co-Chair	UFRGS, Brazil	N	0	Y
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	-	-	
Dormant/Inactive					
Kathryn Bennett	Guest	IEEE-SA	N	-	
Craig Schlenoff	Member	NIST	N		
Jaeho Lee	Member	University of Seoul	N	0	
JiSang Hoon	Member	KITECH, Republic of Korea	N	0	
Ki-Yeop Sung	Member	KAR, Republic of Korea	N	0	
Taeyoung Uhm	Member	KIRO, Republic of Korea	N	0	
Sebastian	Guest	IEEE-RAS	N	0	
Christy Bahn	Program Manager	IEEE-SA	N	0	
Signe Redfield	Guest	United States Naval Research Laboratory	N	-	Y
Ali Akbari	Guest	UPC, Spain	N		
Total Attendees					15
Voting Members			12		12
Voting Members Present					10
Quorum					Y

Approval today's meeting agenda

Motion Proposal : Howard

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: Howard

Accepted Minutes: Yes



Call for Essential Patent Claims (Alberto)

Done

Status updates/previous action items (Howard)

- Discussion about the terminology proposed by Stefano
- Definitions in natural language for internal viewpoint (robotics' definitions)
- Case study implementation for Cloud Robotics paper
- A few unfinished publications (next week, Howard will provide more details)
 - Cloud Robotics - lead by Edison (to be submitted by the end of March)
 - Industry 4.0 - lead by Veera (possibly to be submitted to Joanna's special issue, end of May)
 - Survey/Review (landscape) paper - lead by Alberto and Daniel (to be submitted to Joanna's special issue)
 - OCRA paper - lead by Sandro and Abdelghani

Technical discussion

Topic: Standard outline (Section 9) - Case studies

The Section 9 of the standard is devoted to Case Studies where we should test the ontology. For the time being, we have one case study based on Cloud Robotics which have been developed by Elisa Tosello and will be part of our previous paper about the same topic (which lacked a good case study). Elisa explained (last official meeting, January 31) the case study following some slides she prepared.

As explained in those slides, there were still some parts of the implementation to do. Nowadays, Elisa has already finished the implementation and she is already writing. Along next week, she is planning to include the draft for new sections 3 and 5 of the paper. She will need someone to look at the instantiations for the new scenarios. Joanna and Joel offer themselves. Once the draft is ready, all authors of the paper could help to polish the document.

Topic: Terms for the case study

Three main terms are defined in the cloud robotics' paper: Action, Capability and Behavior. During the meeting, we discussed the definitions provided in that paper, specially, how they differ from the parallel definitions in which Stefano has been working on. In order to follow the discussion, some slides were created. Statements and suggestions made by our members during the discussion are written as comments.

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Since the deadline to submit the paper is approaching, we decided to keep the terms as they are, however, in general, everyone agreed on the idea of modifying them for the standard. This discussion will continue then until the standard is defined.

Next meeting's topic: nomination of presentation

- None

New business/announcements/events/last thoughts

- The Cloud robotics case study will be written and included inside the paper so that we can submit to the RCIM special issue
- The sections of the Standard Outline have been divided and the work has been split into sub-groups of people. For the time being, we have three sub-groups working on the next sections:
 - Section 7.1. Internal Viewpoint (Howard, Paulo and Julia)
 - Section 7.2. External Viewpoint (Chris, Stefano and Veera)
 - Section 9. Case Studies (Alberto, Elisa and Veera)

The plan is to work in sub-groups and present the work done to the rest of the people of our group during our official meetings. During the next three months, members of each sub-group will present their work.

April - Try to go back to Section 7.1 (Internal viewpoint) or continue with the terminology for section 7.2

We will repeat this cycle of presentations, thus, every sub-group will present every three months (of course, this could be changed in the future if our work progress well and the sub-groups have advances to share)

- Next official meeting for April 5

Close meeting (Howard)

Adjourned 2:30 PM UTC