



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

Call and Agenda

Meeting Agenda for June 6, 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; May 3)
5. Essential Patent Claims (Alberto)
6. Status updates/previous action items (Howard)
7. IEEE Copyright Policy (Howard)
8. Technical discussion ('[PMK framework](#): examples about the ongoing Vocabulary' by Mohammed Diab)
9. Next meeting's topic: nomination of presentation
10. New business/announcements/events/last thoughts
11. Close meeting (Howard)

Minutes for the Official Meeting on June 6, 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	6-Jun
OBSERVATIONS					
Howard Li	Chair	University of New Brunswick, Canada	Y	2	Y^
Paulo Gonçalves	Co-Chair	IDMEC, Portugal	Y	2	N^
Veera Ragavan	Co-Chair	Monash University, Australia	Y	2	Y^
Alberto Olivares Alarcos	Secretary	IRI-CSIC, Spain	Y	2	Y^
Alaa Khamis	Member	General Motors, Canada	Y	2	Y^
Chris Nowak	Member	DST Group, Australia	Y	1	Y^
João M.L. Quintas	Member	Pedro Nunes Institute, Portugal	Y	2	^
Julia Bermejo	Member	UPM, Spain	Y	1	Y^
Ricardo Sanz	Member	UPM, Spain	Y	2	^
Stefano Borgo	Member	ISTC/ CNR, Italy	Y	1	^
Edison Pignaton	Member	UFRGS, Brazil	Y	0	N^
Elisa Tosello	Member	UNIPD, Italy	Y	0	N^
Daniel Beßler	Member	University of Bremen, Germany	Y	2	Y^
Mohammed Diab	Member	UPC, Spain	Y	1	Y^
Marcos E. Bareto	Member	UFBA, Brazil	N	0	Y
Bao U. Nguyen	Member	University of Ottawa, Canada	N	1	N
Joanna I. Olszewska	Member	University of West Scotland, UK	Y	2	Y^
Amelie Gyrard	Member	Knoesis, Wright State University	N	1	N

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Edson Prestes	Member	UFRGS, Brazil	N	1	N
Sandro R. Fiorini	Co-Chair	IBM, Brazil	N	0	N
Joel L. Carbonera	Co-Chair	UFRGS, Brazil	N	1	N
Hiren Nakawala	Member	University of Verona, Italy	N	1	Y
Carlos Hernández	Member	TU Delft, Netherlands	N	1	N
Dormant/Inactive					
Kathryn Bennett	Guest	IEEE-SA	N		
Craig Schlenoff	Member	NIST	N		
Jaeho Lee	Member	University of Seoul	N		
JiSang Hoon	Member	KITECH, Republic of Korea	N		
Ki-Yeop Sung	Member	KAR, Republic of Korea	N		
Taeyoung Uhm	Member	KIRO, Republic of Korea	N		
Sebastian	Guest	IEEE-RAS	N		
Christy Bahn	Program Manager	IEEE-SA	N		
Signe Redfield	Guest	United States Naval Research Laboratory	N		
Ali Akbari	Guest	UPC, Spain	N		Y
Total Attendees					12
Voting Members			15		15
Voting Members Present					9
Quorum					Y

Guest Ali Akbari (support for Mohammed's presentation). Edison and Elisa are eligible to lose their voting membership.

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: Joanna

Accepted Minutes: Yes



Call for Essential Patent Claims (Alberto)

Done

Status updates/previous action items (Howard)

- Vocabulary discussion lead by Stefano Borgo
- Focus on case studies to validate the vocabulary
 - Mohammed
 - Amelie (upcoming weeks)
 - Chris - June 14
- How our work relates to task representation group's: initial idea, they will define task while we will work on behaviours, capabilities seem to be related to both so that would be the common ground for both groups
- Cloud Robotics' paper re-submission to the first journal which rejected due to the lack of good case study
 - If it is not accepted, we can submit Industry 4.0 (Veera leading)
- Landscape paper (deadline June 15)

Copyright Policy (Howard)

Howard went through some slides about the copyright policy of IEEE. This policy is relatively large so we are not going to include all the material here, but two key points must be kept in mind:

- Anything we discuss we need to make sure it has no copyright, if it has, we cannot discuss it during the meeting without official permission from the copyright holder.
- Whenever you bring some material to the group and it is discussed along with our meetings, you are granting the copyright of it to the IEEE. Either if you are the holder or your affiliation center is the holder. In the later case, you would need permission from your company or university. Note that when something which has copyright it is discussed during our meetings (sometimes permission would be needed), automatically, the copyright license will be granted to the IEEE. Note that anything developed during our group work, will have a copyright license owned by IEEE once the standard gets published.



Technical discussion

Topic: PMK framework - examples about the on going Vocabulary

Presenter: Mohammed Diab

[Alberto] Great to have a complete view of your experiment but I missed an identification of the knowledge you need and how it matches the vocabulary we have discussed during the last months. We want to validate that vocabulary, applied to your case study, we need to see if the vocabulary is able to capture the knowledge you need for your scenario. If it cannot, then we would discuss how to improve the current definitions.

[Mohammed] I will prepare that, for next weeks

[Daniel] Ontology is only used to store information? It seems you only query the KB using Prolog. Do you also use any sort of OWL reasoning engine? Because then, the ontology's axioms would be used.

[Mohammed] We do not use OWL reasoner, just prolog.

[Howard] Could you prepare a short scenario using the current definitions? We need to validate the definitions.

[Mohammed] Ok, I will see how my work matches current vocabulary and I will study how to do an experiment.

Next meeting's topic: nomination of presentation

Continue with validation of current standard vocabulary

New business/announcements/events/last thoughts

- Found Patent from Magazino (see [here](#)) - Howard working on it
- Next official meeting for July 4
- KER Journal Special Issue (Joanna organizing) - June 15 (deadline extended)

Close meeting (Howard)

Adjourned 2:30 PM UTC