

**IEEE P7003 Working Group
Meeting Minutes
8th June 2018 /3:00 P.M. – 4:30 P.M. UTC
Teleconference**

1. Call to Order

The meeting was called to order at 15:03 UTC

2. Roll call and Disclosure of [Affiliation](#)

The list of attendees present is attached.

3. Approval of June Agenda

Motion to approve the meeting agenda from 8th June, 2018. The agenda was approved as submitted without objection.

4. [IEEE Patent Policy](#) (Call for Patents)

The call for patents was raised; no one raised any concerns or any comments for consideration.

5. Approval of 7th May meeting minutes

Motion to approve the minutes from May 7th, 2018. The minutes from the May 7th, 2018 meeting were approved without objection.

6. Announcements

No announcements were raised at this time.

7. Updated Outline Discussion

I. Update on Use Cases

Ansgar is currently involved with BSI with regards to a document collecting use cases.

No new use cases were raised.

II. Topic updates – 5min summaries

i. Key concepts

No update

ii. Taxonomy (Matthew Stender)

No big updates from the group, they are planning to catch up next week. *Anyone who wants to join message or email Matthew.* Matthew shared several interesting links in the chat, which were discussed:

<https://www.cnil.fr/en/algorithms-and-artificial-intelligence-cnils-report-ethical-issues>; <http://www.oneilrisk.com/>;

<https://openreview.net/forum?id=B1eYYK5QgX>;
<https://arxiv.org/abs/1806.01186>

Various other countries are looking at national AI strategies and enforcement of algorithm bias. It would be useful to have a view of what's going on in the different countries that are looking to engage in AI strategy.

Action: Ansgar to create a google doc to collect short summary of what the different countries are doing

[this has now been done at

https://docs.google.com/document/d/1veIJO_7Pcy8956XOvPECT6BIVZ6jqM-F46obNMYCnnk/edit?usp=sharing]

It may also be interesting to see what the private companies are doing in terms of designing reinforcement learning agents that do not cause unnecessary disruption.

Request for google doc versions to be updated in iMeet.

Action: Ansgar to update iMeet. *Please note, all working documents are in Google docs to allow concurrent working. The iMeet documents may therefore not be the latest versions. People who do not use/have access to Google docs please let Ansgar know so other arrangements may be made where necessary.*

Pedro presented the Aequitas tool, which is a bias audit tool that was recently released as part of PhD work at university of Chicago. It allows people to download to their site and test for types of bias:

<https://dsapp.uchicago.edu/aequitas/>

iii. Legal frameworks (Maroussia)

Not much to update with regards to written document. Some interesting comments to address (esp proxies). The structure of the document is there for people to contribute.

Google just released their principles for AI and responsible AI practice document. <https://ai.google/principles>;

<https://ai.google/education/responsible-ai-practices>

Within, there is a section on respecting human rights and international standards as they relate to AI. Still to be seen how it will be interpreted, but this should be informing work as we go forward.

Joanna Lehrer expressed interested in getting involved in this section.

Kuba Piwowar contributed via chat: "I know there's an internal process to review all AI products if they are aligned with these new principles - details to follow"; "I am not sure but as far as I know AI is cross-alphabet, so these rules would be related to Alphabet Inc."; "correction: Jeff Dean (AI lead) is reporting to Sundar, who's Google's CEO - I would assume these principles relate to Google inc., though engineers working on ML-fairness projects are spread across different companies with the Alphabet."

iv. Psychology (BC via chat)

No updates to the doc as waiting for other members to participate.

NB This team in particular needs more members, if interested please let Ansgar or BC know.

v. Cultural aspects (Kuba via chat)

No meeting this month, hopefully one soon.

- vi. System design stages (Chris Clifton via chat)
Have been looking at ML process to determine appropriate points for bias audit/mitigation/investigation.
- vii. Person categorization
Waiting to hear from Joseph about the structure in order to work with him on this. Suggestion to carry on if cannot get in touch.
- viii. Representativeness of data
No update
- ix. Outcomes evaluation (Michael Rovatsos)
Recently been progressing, as the group has reconvened with more people, and there is a series of meetings set up and use cases (from the WG documents) to start from to start developing the document further. Use cases will be used to test ideas for how outcome evaluation might work on them. Unclear on level of detail required to specify a meaningful standard; suggestion to look at the IEEE document in the iMeet reference literature.
- x. Evaluation of processing (Michael R)
Hope to get going soon.
- xi. Resilience against manipulation (Michael R)
Needs more members, and preferably someone to lead as Michael is overloaded. Need some diversity in opinions.
- xii. Documenting & transparency
No further update.
Action: If someone is not involved in working on a section, please consider doing so. Several groups need more members.

8. Conferences and Whitepapers

- KDD submission
Project outline call, WG submitted proposal which, if accepted, will require activity later in the year. To take place in London.
- APC panel accepted
5-8 October in Amsterdam. Legal frameworks team contributed to putting panel together. Format will be a couple of short presentations before open Q&A, would like someone from industry to speak on why having standard would be useful within the legal space
Action: If any members of WG are in Industry and interested, get in touch. Pedro expressed interest.
Matthew also had a submission accepted on surveillance and biometrics in the age of access control algorithms.
Action: Anyone who would be interested to participate in the panel let Matthew know.
- Outcomes of Fairware
Paper presented on May 29 as part of larger software engineering conference. Interesting to see how SE are thinking about fairness. Slides for most talks are available: <http://fairware.cs.umass.edu/>
- Outcomes of RightsCon
A number of the WG attended. Consideration of an international basis for thinking about questions of fairness and bias and ethics and algorithmic

systems, there was a strong move to suggest that human rights might be a baseline framework, as there is already international agreement.

- Paper for ITU Data for Good, submission deadline June 29th
Alejandro attended conference in Geneva, paper call related to it. Great interest in the working group at the conference. Invited WG to submit a paper based on the work that is going on. It is a very busy time but the journal does seem relevant, looking for good use cases etc. Alejandro quite keen to discuss.

Action: Anyone interested to email Ansgar or Alejandro. Matthew Stender, Vicky Hailey, and Joanna Lehrer indicated interest.
[Ansgar has emailed further information to working group.]

9. Any Other Business

Matthew is still actively looking to get some people involved in the WG, to fill in some gaps, and hopefully several new members will join. Need to start advocating for the groups with small teams, to take larger roles.

Action: Ansgar to email group about joining the subgroups.

[Message from Ansgar (sent to working group mailing list):

this is a call for those of you who currently have not yet put yourself forward to contribute to the development of content for the standard document sections. While I appreciate that we are all very busy with other duties, there are still a number of sections that do not have enough contributors in order to help to move them forward. Please do take another look at the Draft Outline Document to help you identify a section you could effectively contribute to, then check the correspondingly titles Google Document in our shared G-Drive folder. When you have chosen a section you want to work on, e-mail me so that I can put you in touch with the other people working on that section. Realistically we need to have at least four people working on each section in order to make good progress.

https://docs.google.com/document/d/1mO7gw7aZO23Uo0Lm5BZj16qwkplP7VgV4w0xGCe_dw8/edit?usp=sharing

10. Future Meetings

Thursday July 5th, at 3pm UTC
Thursday August 2nd, at 3pm UTC
Thursday September 6th, 3pm UTC
Thursday October 11th, 3pm UTC
Thursday November 8th, 3pm UTC
Thursday December 6th, 3pm UTC

11. Adjourn

The meeting was adjourned at 16:09 UTC

Attendees:

Last Name	First Name	Employer/Affiliation	Voting
Bierman	BC	Heavy Projects & USC Annenberg	
Bizarro	Pedro	Feedzai	

Carrier	Ryan		
Clifton	Chris	Purdue University	X
Courtney	Patrick	tec-connection	X
Dowthwaite	Liz	University of Nottingham	X
Farley	Tim	Insitu Inc.	X
Gwagwa	E. Arthur	Strathmore University	
Hailey	Victoria	VHG	X
Kepetanios	Epaminondas	University of Westminster	
Koene (Chair)	Ansgar	University of Nottingham	X
Lehrer	Joanna	Self	
Lévesque	Maroussia	Independent	
Mandal	Sukanya		X
Nadel	Larry	NIST	X
Ngounou	Charlie Martial	AfroLeadership	
Piwowar	Kuba	University of Social Psychology and Humanities, Warsaw	
Rovatsos	Michael	University of Edinburgh	
Rubin	Julia	University of British Columbia	
Ruggeri	Salvatore	University of Pisa	
Sampath	Subasree	TATA Consultancy Services	
Saucedo	Alejandro		
Srivathsan	KM	TATA Consultancy Services	X
Stender	Matthew	Self	X
Weger	Gerlinde	Independent	X
Bahn	Christy	IEEE-SA (staff)	