



MindSpore

MindSpore TSC Meeting

Jun 18 2020



MindSpore

Antitrust Policy Notice

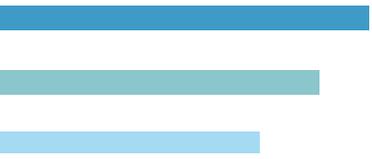
- MindSpore community meetings involve participation by industry competitors, and it is the intention of the MindSpore community to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable antitrust and competition laws in the member representative's nation or state.



MindSpore

MindSpore Useful Information

- Web site: www.mindspore.cn (Chinese/English Display)
- Gitee: gitee.com/mindspore GitHub: github.com/mindspore-ai Slack: [Join](#)
- IRC: [#mindspore-tsc](#) (for meeting logs only) Conference: <https://meet.jit.si/MindSporeTSC>
- Mail Lists: <https://mailweb.mindspore.cn/postorius/lists/mindspore-tsc.mindspore.cn/>
- Logo:
 - ❑ <https://gitee.com/mindspore/community/blob/master/MindSpore-logo.png>
 - ❑ <https://github.com/mindspore-ai/community/blob/master/MindSpore-logo.png>
- Presentation Template:
 - ❑ <https://gitee.com/mindspore/community/tree/master/slides>
 - ❑ <https://github.com/mindspore-ai/community/tree/master/slides>
- Charter:
 - ❑ <https://gitee.com/mindspore/community/blob/master/governance.md>
 - ❑ <https://github.com/mindspore-ai/community/blob/master/governance.md>



Agenda

- Roll Call
- Approval of previous minute
- Community Progress Update
- Release Plan Preview
- Operational Matters



MindSpore

Roll Call
(First name alphabetically ordered)

<u>Affiliation</u>	<u>TSC Member</u>
University of Edinburgh	Amos Storkey
Conic AI Technology	Han Xiao
ICBC's Big Data and Artificial Intelligence Lab	Jianjun Chen
Tsinghua University	Jun Zhu
University Paris-Sacla	Joel Falcou
Apulis Technology	Jin Li
Huawei	Lei Chen (Chair)
Xidian University	Maoguo Gong
Imperial College London	Peter Pietzuch
Key Lab of Intelligent Information Processing of the Institute of Computing Technology (ICT), Chinese Academy of Sciences (CAS)	Shiguang Shan
University of Muenster	Sergei Gorlatch
Harbin Institute of Technology	Tonghua Su
University of Science and Technology of China	Xiangyang Li
Peking University/Pengcheng Lab	Yonghong Tian



MindSpore

Approval of previous minute

May 21th Meeting Minutes:

- Follow up development collaboration with Jina
- Need good tutorial for quickstart
- For university reach out, we need to provide free resources and free credits
- Better GPU support is needed



MindSpore

Community Progress Update

- Promotions:
 - Second MindSpore Learning Camp from May 30 - 31
 - ❑ more than 220 participated, online session with peak audience surpass 2.3K
 - ❑ around 20 accomplished the assignment
 - Articles published on social media
 - ❑ Comparison of MindSpore between 1pcs and 8pcs Ascend setup:
<https://zhuanlan.zhihu.com/p/148003890> (CN)
 - ❑ MindSpore's Differential Privacy: <https://zhuanlan.zhihu.com/p/148852378> (CN)
 - Tiktok Live Talk
 - ❑ Two sessions with more than 700 viewers participated
 - 0.3.0 release promo on Tiktok/[Bilibili](#): about 12K+ total views

Community Progress Update

- Technical Promotions:
 - Hackernews submission for MindSpore and WASM experiment:
<https://news.ycombinator.com/item?id=23369453>
 - Twitter promotion for the MindSpore and eBPF experiment:
<https://twitter.com/nopainkiller/status/1266625799693590531>

Hacker News new | threads | past | comments | ask | show | jobs | submit nopainkiller (21) | logout

* MindSpore WebAssembly Backend (github.com)
39 points by nopainkiller 16 days ago | hide | past | web | favorite | 7 comments

▲ brundolf 15 days ago [-]
It's unfortunate that the terms "front-end" and "back-end" are so overloaded. In this case I thought they meant a compiler backend, but that doesn't make much sense in context because the "backend" would be that which targets WASM itself, which is not new. And then some might think they meant it in the web sense; i.e. something running on a server. But it sounds like there is actually yet another sense of the term, in the context of ML.

▲ leonwanghui 15 days ago [-]
Sorry for making the terms "front-end" and "back-end" ambiguous here, maybe I should have added some terminology context at beginning. In my initial thought, these two terms are named based on the machine learning framework. Front-ends normally indicate the user-oriented high level API (such like keras, PyTorch, MindSpore), and on the other hand the backend means the execution environment (CPU, GPU, Ascend, etc.) of operators. In this context, what we want to build is a hardware-agnostic backend by leveraging WASM backend, not just the compiler backend, we want to deploy the generated *.wasm operator library across hardware platforms (Cloud, Edge, Mobile, IoT, etc). Does that make sense to you?

▲ brundolf 15 days ago [-]
It's not your fault! I'm sure if I were more familiar with ML it would've been clear. I just think it's amusing/unideal the way we've come to use those terms for so many different things.

▲ lucasterra 15 days ago [-]
> WASM has now become a widely used and de-facto runtime standard in web development, especially for mobile applications.
This statement is a bit of a stretch. I don't see where WASM is being used in mobile development, nor see it in wide use across the industry.

▲ leonwanghui 15 days ago [-]
Thanks for the catch up, it's already updated.

▲ gujun720 16 days ago [-]
It will be helpful, if the author could compare the performance of WASM back end.
Will it be better than Model runtime with HTTP support?



Zhipeng Huang
@nopainkiller

Curious about if eBPF could play a role in machine learning ? So did we. Other than the aforementioned wasm experiment, our team did another simple poc on the possible ways of utilizing eBPF for AI observability. github.com/hellowaywewe/m... @justincormack @lizrice @tgraf__



hellowaywewe/ms_observability
MindSpore Observability. Contribute to hellowaywewe/ms_observability development by creating an ...
github.com

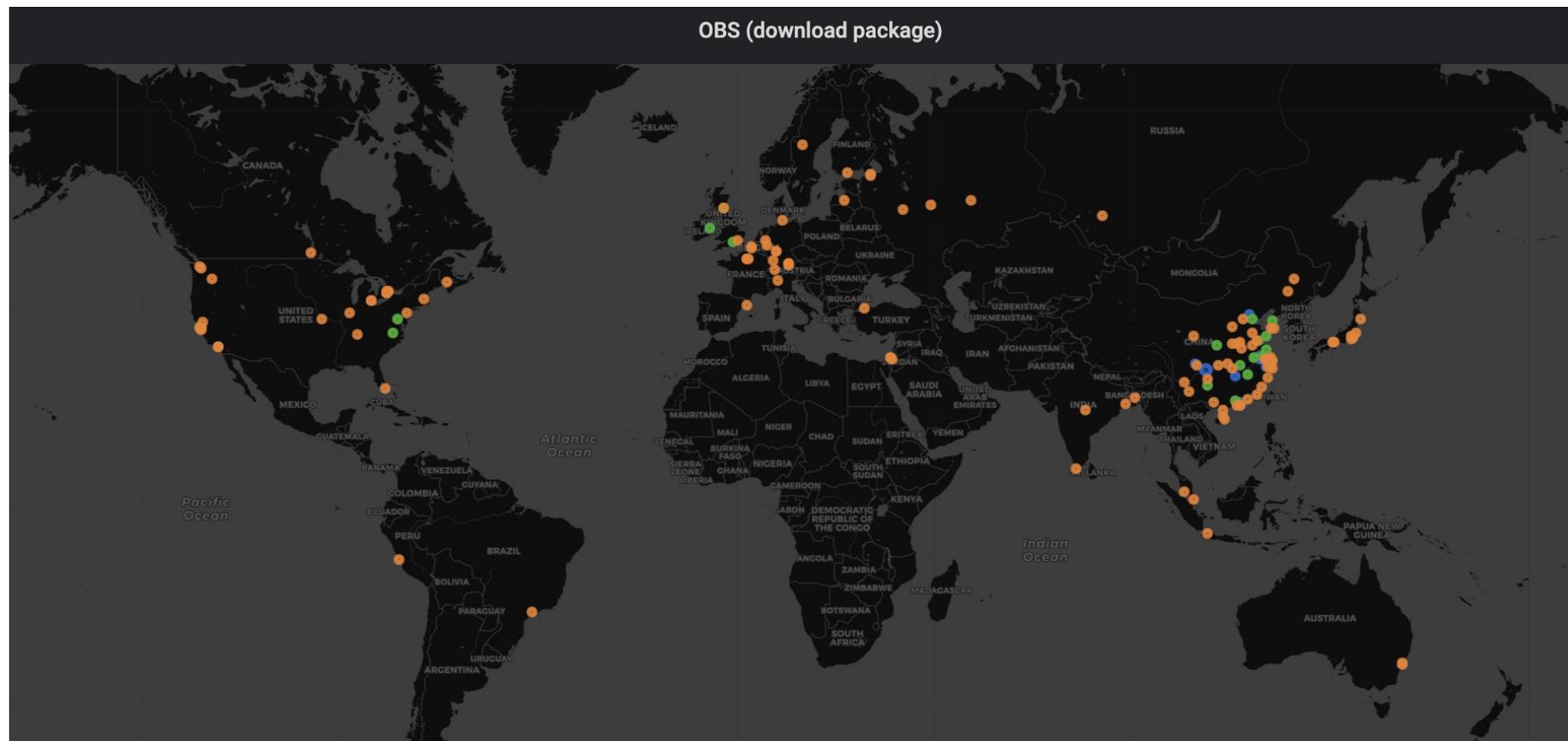


MindSpore

Community Progress Update

- SIGs:
 - All 8 SIGs had started their monthly public meeting
 - SIG introduction and meeting minutes at <https://gitee.com/mindspore/community/tree/master/sigs>
 - Meeting recordings : <https://space.bilibili.com/526894060>
 - SIGs has started to publish their low-hanging-fruits for new developers hands on:
 - <https://github.com/mindspore-ai/mindspore/labels/low-hanging-fruit>
 - <https://github.com/mindspore-ai/mindinsight/labels/low-hanging-fruit>
- General:
 - Star: 2.3K+, Fork: 1K+, Watch 670+ (Gitee and Gitub combined)
 - Binary download number around 6K in total (measured through unique IP)

Community Progress Update





MindSpore

Release Plan Review

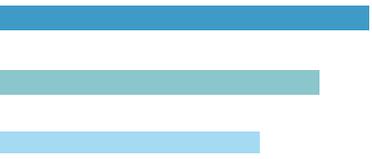
- 0.3.0 Release Review:
 - <https://github.com/mindspore-ai/mindspore/blob/master/RELEASE.md>
- 0.5.0 Release Plan Preview:
 - Rationale for skipping 0.4.0:
 - ✓ 0.3.0 shipped a lot of new models which still need more hardening with following minor releases like 0.3.1
 - ✓ There are new features already shipped in minor release
 - <https://mailweb.mindspore.cn/hyperkitty/list/mindspore-tsc@mindspore.cn/thread/F3HCQC2ZGASS2EESZPJ334FXK5IW2Y4Z/>
 - https://gitee.com/mindspore/mindspore/wikis/June%202020?sort_id=2339889
 - New SIG AKG Proposal
 - ✓ <https://gitee.com/mindspore/community/pulls/31/files>



MindSpore

Operation Matters

- MindSpore Learning Group Proposal
 - Spontaneously setup by volunteers by sending email to contact@mindsore.cn
 - The volunteer need to be recognized as part of the MindSpore evangelist program
 - MindSpore team will help do training and prep for the MLG organiser



Next Step

- Major Conference attendance preparation



MindSpore

THANK YOU

MindSports

Conference Name	Technology Field	Region	Country	Website	Conference Date	Online
ICML2020	Machine Learning	Europe	Austria	https://icml.cc/Conferences/2020	Jul 12 - Jul 18	Yes
CVPR2020	Computer Vision	North America	USA	http://cvpr2020.thecvf.com	Jun 14 - Jun 19	TBD
NeurIPS2020	Computational Neuroscience	North America	Canada	https://nips.cc/Conferences/2020	Dec 2 - Dec 8	TBD
SIGKDD2020	Data Mining	North America	USA	http://www.kdd.org/kdd2020	Aug 22 - Aug 27	TBD
ACL2020	NLP	North America	USA	http://acl2020.org	Jul 5 - Jul 10	Yes
IJCAI2020	AI	Asia	Japan	http://www.ijcai20.org	Jul 11 - Jul 17	TBD
SIGGRAPH2020	Computer Graphics	North America	USA	https://s2020.siggraph.org	Jul 19 – Jul 23	TBD
SIGIR2020	Information Retrieval	Asia	China	https://sigir.org/sigir2020	Jul 25 - Jul 30	TBD
ECCV2020	Computer Vision	Europe	UK	http://eccv2020.eu	Aug 23 - Aug 28	TBD
ICASSP2020	Signal Processing	Europe	Spain	http://2020.ieeeicassp.org	May 4 - May 9	Yes
COLING2020	NLP	Europe	Spain	http://coling2020.org	Dec 8 - Dec 13	TBD
ISCA	Computer Architecture	Europe	Spain	https://iscaconf.org/isca2020/	May 30 – June 3	Yes
MICRO	Computer Architecture	Europe	Greece	https://www.microarch.org/micro53/	October 17–21	TBD
ACMMM	Multimedia	North America	US	https://2020.acmmm.org/	Oct 12 -16	Yes
ECMLPKDD2020	Machine Learning	Europe	Belgium	http://www.ecmlpkdd2020.net	Sep 14 - Sep 18	TBD
ICAPS2020	Robot	Europe	France	http://icaps20.icaps-conference.org	Oct 26-30	TBD
ICME2020	Multimedia	Europe	UK	http://www.2020.ieeeicme.org	Jul 6 - Jul 10	TBD
ECAI2020	AI	Europe	Spain	http://ecai2020.eu	Aug 29 - Sep 2	TBD
INTERSPEECH2020	Speech processing	Asia	China	https://interspeech2020.org	Oct 26 - Oct 29	TBD
KubeCon Europe	Open Source	Europe	The Netherlands	https://events.linuxfoundation.org/	Aug 13-16	TBD
KubeCon Shanghai	Open Source	Asia	China	https://events.linuxfoundation.org/	Jul 28-30	Yes
Open Source Summit Japan	Open Source	Asia	Japan	https://events.linuxfoundation.org/	Sep 15-16	TBD
Open Source Summit Europe	Open Source	Europe	Ireland	https://events.linuxfoundation.org/	Oct 26-28	TBD
EclipseCon	Open Source	Virtual	Virtual	https://www.eclipsecon.org/2020	October 20 - 22	Yes