LF AI & Data Day - ONNX Community Virtual Meetup - March 2021

Event planning and general information template below - To be updated by Event/Meeting Lead

- Event/Meeting Details
- Schedule & Presentations
- Additional Community Submissions not in main program - not covered online, but thank-you to submitters who can upload deck and prerecording for community to review at their leisure

Event/Meeting Details

LF AI & Data Participation Overview:

LF AI & Data Foundation is pleased to welcome you at the LF AI & Data Day* – ONNX Community Virtual Meetup – March 2021. This event will be hosted online via Zoom video conferencing on Wednesday, March 24. The event will feature the LF AI & Data hosted Graduated Project, ONNX.

The event will cover ONNX Community updates, partner/end-user stories, and SIG/WG updates. Check back for a full agenda soon.

If you are using ONNX in your services and applications, building software or hardware that supports ONNX, or contributing to ONNX, you should attend! This is a great opportunity to meet with and hear from people working with ONNX across many companies.

Note: In order to ensure the safety of our event participants and staff due to the Novel Coronavirus situation (COVID-19) the ONNX Steering Committee decided to make this a virtual-only event via Zoom.

**LF AI & Data Day is a regional, one-day event hosted and organized by local members with support from LF AI & Data and its Projects. Learn more about the LF AI & Data Foundation here.*

Event Location & Date(s):

Zoom meeting on Wednesday, March 24, 2021

Event Time:

5:00 PM - 8:00 PM - PDT (Pacific Daylight Time)

LF AI & Data Day - ONNX Online Virtual Meetup - March 24, 2021
Event Website: https://events.linuxfoundation.org/lf-ai-data-day-onnx-community-virtual-meetup-spring/

Event Registration: https://www.cvent.com/d/37qh6p/4W?ct=50221cf5-5496-4c34-9ec0-3b52b1bf1204&_ga=2.191814634.1770376097.1607959940-1411187557.1597333659

Event Agenda/Schedule: https://events.linuxfoundation.org/lf-ai-data-day-onnx-community-virtual-meetup-spring/program/schedule/

Recording on ONNX Playlist of LF AI & Data YouTube: https://www.youtube.com/channel/UCfasaeqXJBCAJMNO9HcHfbA/playlists

Please submit any questions about LF AI & Data participation at this event to: outreach-committee@lists.lfaidata.foundation

Event Host Lead Name & Contact Details: Ti Zhou (Baidu) <zhouti@baidu.com>

Planning To-Do List

Tracking for to-do items, due dates, owners, and notes

To Do	Due Date	Completed	Owner	Notes
Post presentations and recordings	March 25		Event Lead	
Communicate availability of the event's recordings and presentations	March 31		LF AI & Data	-LF AI social scheduled for TBD.

Schedule & Presentations

Time	Duration	Topic / Speaker	Deck / Recording Links

Wed March 24 5pm PT USA Thur March 25 8am China	**25m**	**Event Kickoff**	Q&A - #onnx-general slack channel full event recording deck / recording
	5	Welcome and opening Speaker: Ti Zhou (Baidu)	deck / recording
	20	ONNX Progress Update Speaker: Sheng Zha, Joohoon Lee Contacts: ONNX SC (Prasanth, Harry, Jim, Joohoon, Sheng)	deck / recording (Sheng) / recording (Joohoon)
5:25pm PT USA 8:25am China	**100m**	**Community Presentations**	deck / prerecording (English) *optional:* deck/record(Chinese)
	10m	popART: Support ONNX on IPU Speaker: Han Zhao (GraphCore-China)	deck / recording
	10m	Spring ProjectMulti Backend Neural Network Auto Quantization and Deployment over ONNX Speaker: Fengwei Yu (SenseTime-China)	deck / recording
	10m	ONNX Runtime for Mobile Scenarios: From model to on-device inferencing Speaker: Tom Wildenhain (Microsoft-USA) and Scott McKay (Microsoft-Australia)	deck / recording
	10m	ONNX on PaddlePaddle 2.0: Broader Deployment and Richer Ecosystem Speaker: Wranky Wang (Baidu-China)	deck / recording
	10m	ONNX on microcontrollers Speaker: Rohit Sharma (AITechSystems-USA_CA)	deck / recording (YouTube)
	10m	Monitoring and Explaining ONNX Models in Production Speaker: Krishna Gade (FiddlerAI-USA_CA)	deck / recording
	10m	ONNX client for Acumos Speaker: Philippe Dooze (Orange-France) (picture)	deck / recording (YouTube)
	10m	Deploy ONNX model seamlessly across the cloud, edge, and mobile devices using MindSpore Speaker: Leon Wang (Huawei-China)	deck / recording
	10m	ONNX Runtime Training Speaker: Peng Wang (Microsoft China)	deck / recording
	10m	Quantization support for ONNX using Intel Neural Compressor (formerly named Intel Low Precision Optimization Tool) Speakers: Haihao Shen (Intel - China) and Saurabh Tangri (Intel) Contact: Rajeev Nalawadi (Intel-China)	deck / recording
7:05pm PT USA 10:05am China	10m	**Break**	Q&A - #onnx-general slack channel
7:15pm PT USA 10:15am China	45m	**SIG's and WG's Updates and Discussions**	deck / prerecording (English) *optional:*deck/record (Chinese)
	10	Architecture/Infrastructure SIG Update Chair: Ashwini Khade (Microsoft) and Jacky Chen (Microsoft)	deck / recording1 recording 2
	10	Operators SIG Update Co-Chairs: Micha Karzyski (Intel) and G. Ramalingam (Microsoft)	deck / recording
	10	Converters SIG Update Co-Chairs: Guenther Schmuelling (Microsoft), Kevin Chen (Nvidia), Chin Huang (IBM)	deck / recording
	10	Model Zoo/Tutorials SIG Update Co-Chair: Wenbing Li (Microsoft)(picture)	deck / recording
	5	Q&A / Open Discussions	Q&A - #onnx-general slack channel
8:00pm PT USA 11:00am China	**Total 180 Minutes**	**End**	Final Recording Full Event deck / recording

Q&A

Speaker	Question	Answer
Welcome		
Ti Zhou	How many models in the PaddlePaddle model zoo? How many in ONNX format?	
Sheng Zha	Please remind where to find information on upcoming ONNX SC elections?	
Joohoon Lee	What is the best way to get started learning about the ONNX roadmap, and getting involved?	
Community Talks		
Han Zhao (GraphCore-China)	Are an performance benchmarks available on ML Perf/ML Commons?	
Fengwei Yu (SenseTime-China)		
Tom Wildenhain (Microsoft-USA) and Scott McKay (Microsoft-Australia)	Are any ONNX models being run a lot on smartphones today that you know of?	
Wranky Wang (Baidu-China)	Are there plans to put PaddlePaddle into open governance in LF AI & Data?	
Rohit Sharma (AITechSystems-USA_CA)	How many of the models in ONNX model zoo have you compiled onto tinyml devices using DeepC? of the 36, have 2-3 been compiled? on what device?	Over 50 ONNX models have been compiled. We do not keep the record of the source of those ONNX models, so we can't comment on how many of them come from ONNX model zoo. Some of them are available in cAInvas gallery. deepSea supports most RISC and CISC devices. Cortex M4 based boards like Arduino Nano is one of the popular ones in the gallery.
Krishna Gade (FiddlerAI-USA_CA)	Why is model versioning a big problem? Of the models in the ONNX model zoo, which are black box and which are explainable, from a Fiddler perspective?	
Philippe Dooze (Orange-France) (picture)	Who are the biggest users of Acumos today?	
Leon Wang (Huawei-China)	Are any unique models in the ONNX model zoo currently being developed with Mindspore?	
Peng Wang (Microsoft China)	What are the challenges of building an training graph from existing ONNX models in the ONNX model zoo?	
Speakers: Haihao Shen (Intel - China) and Saurabh Tangri (Intel) Contact: Rajeev Nalawadi (Intel-China)	Is LPOT open source? https://github.com/intel/lpot Are there plans to move it to LF AI & Data?	
SIG Talks		
Ashwini Khade (Microsoft) and Jacky Chen (Microsoft)		
Micha Karzyski (Intel) and G. Ramalingam (Microsoft)		

Guenther Schmuelling (Microsoft), Kevin Chen (Nvidia), Chin Huang (IBM)		
Model Zoo/Tutorials SIG Update Co-Chair: Wenbing Li (Microsoft)(picture)	When do you think the number of models in the ONNX model zoo will be much greater than the number of ONNX operators?	

Additional Community Submissions not in main program - not covered online, but thank-you to submitters who can upload deck and prerecording for community to review at their leisure

Session	Deck / Prerecording (Links)
My experience implementing ONNX import for GAP processors Contact: Martin Croome (Greenwaves Tech)	deck / recording
How we are making it insanely easy to deploy ml/ai models from jetson nano to Azure with ONNX Contact: Mahesh Yadav (Microsoft)	deck / prerecording
Visualizing ONNX models' internal data: Key things to look for? Contact: Mina Amiri (Zetane)	deck/ recording
Deploying 3rd Party Models in PaddlePaddle via X2Paddle Converter Contact: JiaJun Jiang (Baidu)	deck / prerecording
TBD Contact: Emad Barsoum (Cerebras)	deck / prerecording

Survey to be mailed to all who registered for the event

Thanks again for registering for the LF AI & Data Day – ONNX online virtual meetup! The recordings for each session are on the ONNX playlist of LF AI & Data Youtube, as well as the Event Wiki.

Please take a five minutes to share your feedback on the event.

On a scale of 1 (not helpful) to 5(very helpful) please rate the following:

Welcome and Opening Session: ONNX Progress and Update

Response: Rating 1-5

Ten Community Presentations

Response: Rating 1-5

Four SIG Presentations

Response: Rating 1-5

Post-Event Online Materials (Recordings, Presentations)

Response: Rating 1-5

Any additional feedback on this event and/or what you would like to see in future events?

Response: Text