

# LF AI & Data Day - ONNX Community Virtual Meetup - March 24, 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](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.lfai.foundation](mailto:outreach-committee@lists.lfai.foundation)

Event Host Lead Name & Contact Details: **Ti Zhou (Baidu)** <[zhouti@baidu.com](mailto: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<br>5pm PT USA | 25m      | Event Kickoff   | Q&A - <a href="#">#onnx-general slack channel</a>        |
| Thur March 25<br>8am China |          |                 | full event recording<br><a href="#">deck / recording</a> |

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

#### 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?   |  |
| Jooheon Lee  | What is the best way to get started learning about the ONNX roadmap, and getting involved?   |  |
| <b>Community Talks</b>   |  |  |
| Han Zhao (GraphCore-China)   | Are any 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 <a href="#">cAInvas gallery</a> .<br><br><a href="#">deepSea</a> supports most RISC and CISC devices. Cortex M4 based boards like Arduino Nano is one of the popular ones in the <a href="#">gallery</a> . |
| 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)<br>Contact: Rajeev Nalawadi (Intel-China) | Is LPOT open source? <a href="https://github.com/intel/lpot">https://github.com/intel/lpot</a> Are there plans to move it to LF AI & Data?             |  |
| <b>SIG Talks</b>   |  |  |
| 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<br>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<br>Contact: <a href="#">Martin Croome (Greenwaves Tech)</a>                              | <a href="#">deck / recording</a>    |
| How we are making it insanely easy to deploy ml/ai models from jetson nano to Azure with ONNX<br>Contact: <a href="#">Mahesh Yadav (Microsoft)</a> | <a href="#">deck / prerecording</a> |
| Visualizing ONNX models' internal data: Key things to look for?<br>Contact: <a href="#">Mina Amiri (Zetane)</a>                                    | <a href="#">deck/ recording</a>     |
| Deploying 3rd Party Models in PaddlePaddle via X2Paddle Converter<br>Contact: JiaJun Jiang (Baidu)   | <a href="#">deck / prerecording</a> |
| TBD<br>Contact: <a href="#">Emad Barsoum (Cerebras)</a>  | <a href="#">deck / prerecording</a> |

**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