DPDK APAC vSummit
Opening Remarks

Jim St. Leger, DPDK Project, Governing Board Chair

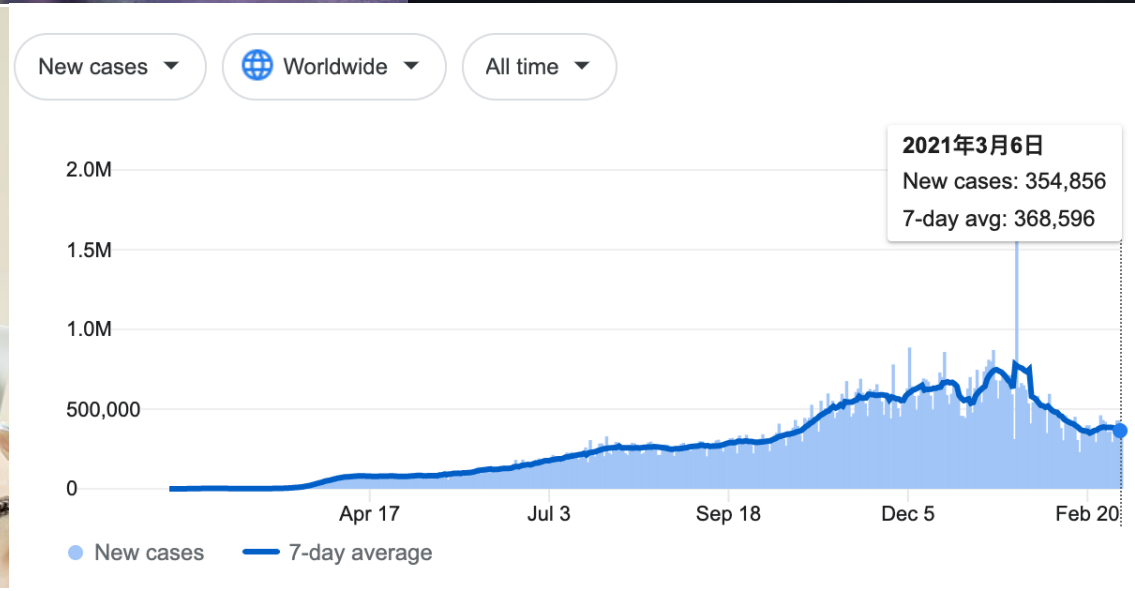
#DPDKSummitAPAC

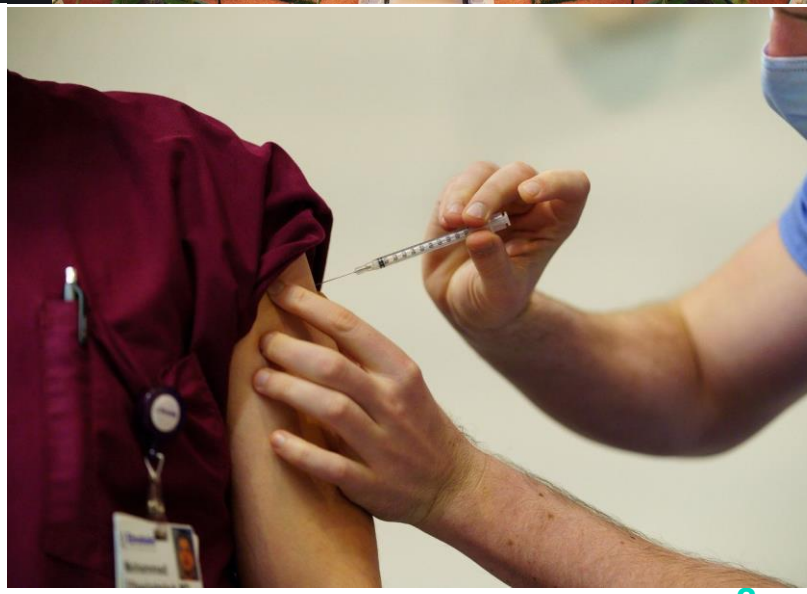
22 Mar 2021

https://events.linuxfoundation.org/dpdk-summit-apac/

Welcome!

DPDK SUMMIT APAC•2021



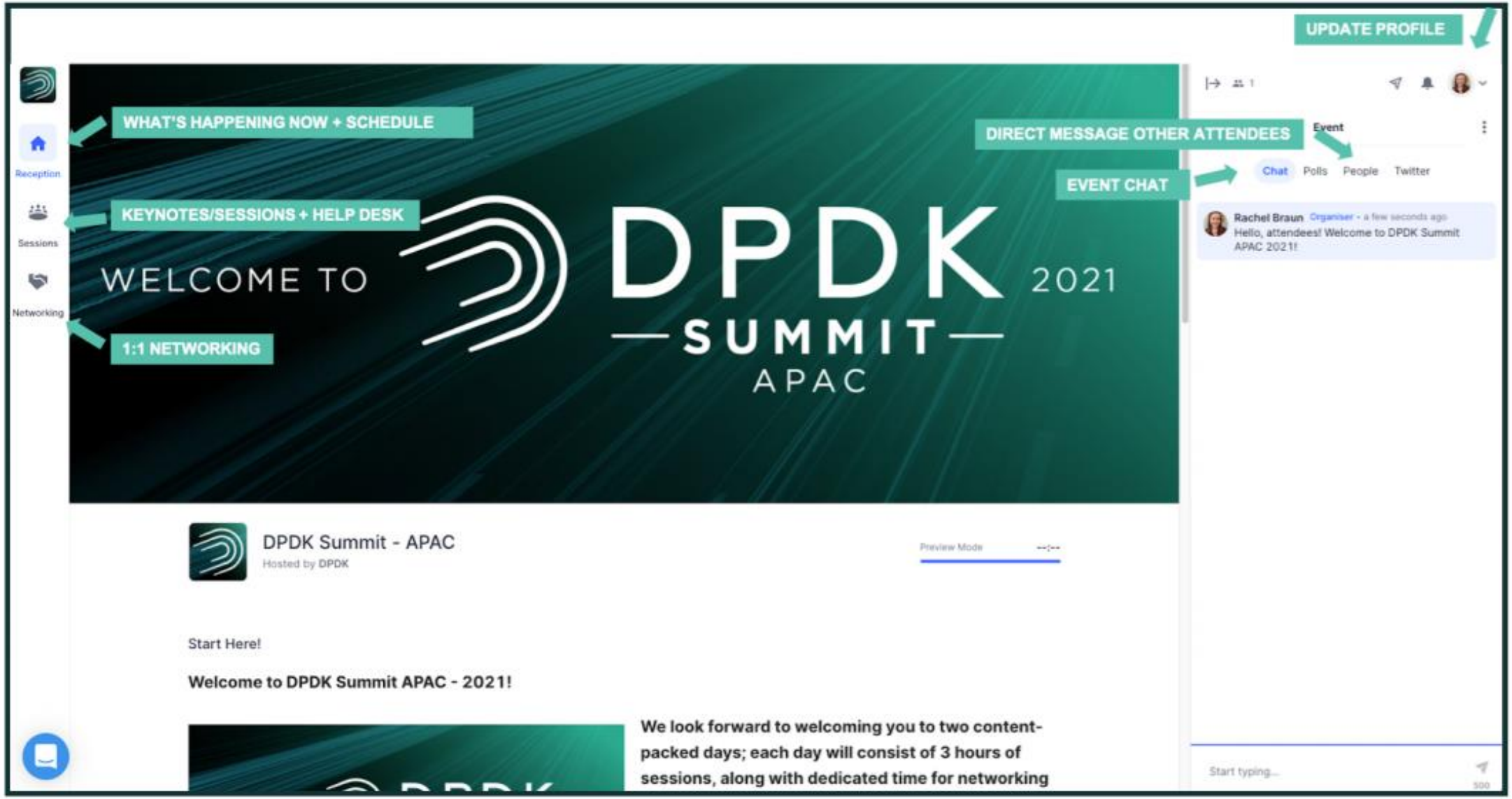


Code of Conduct

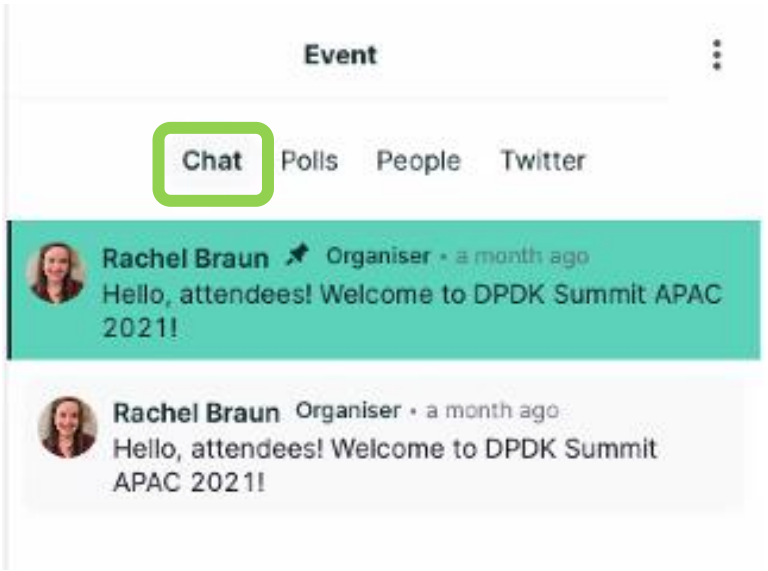
- Respectful, Harassment-free Environment
- Recognize Every Person and Group
- Professional Behavior
- Encourage the Open Exchange of Ideas and Expression
- Be Nice to Each Other

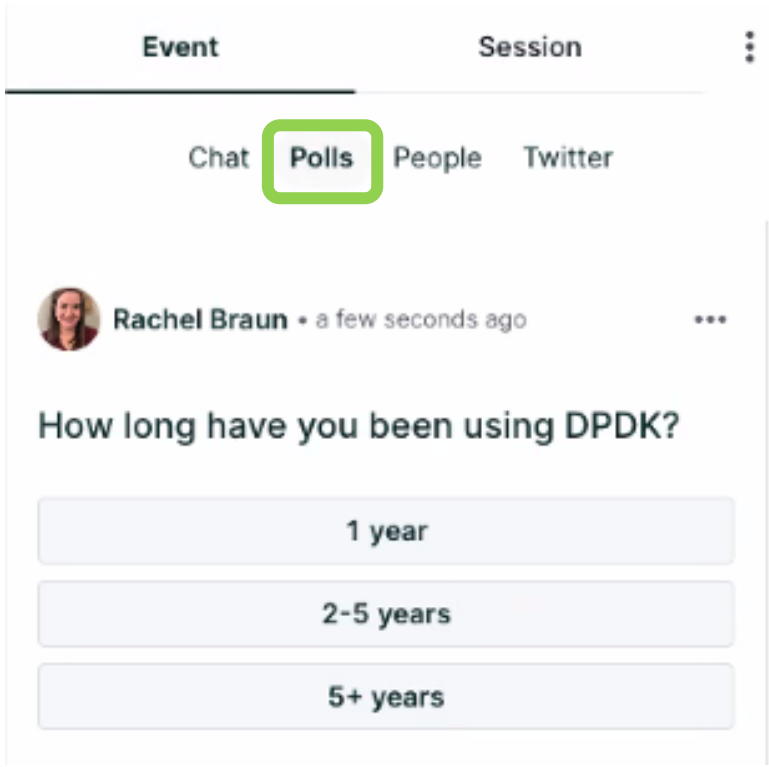
https://events.linuxfoundation.org/about/code-of-conduct/

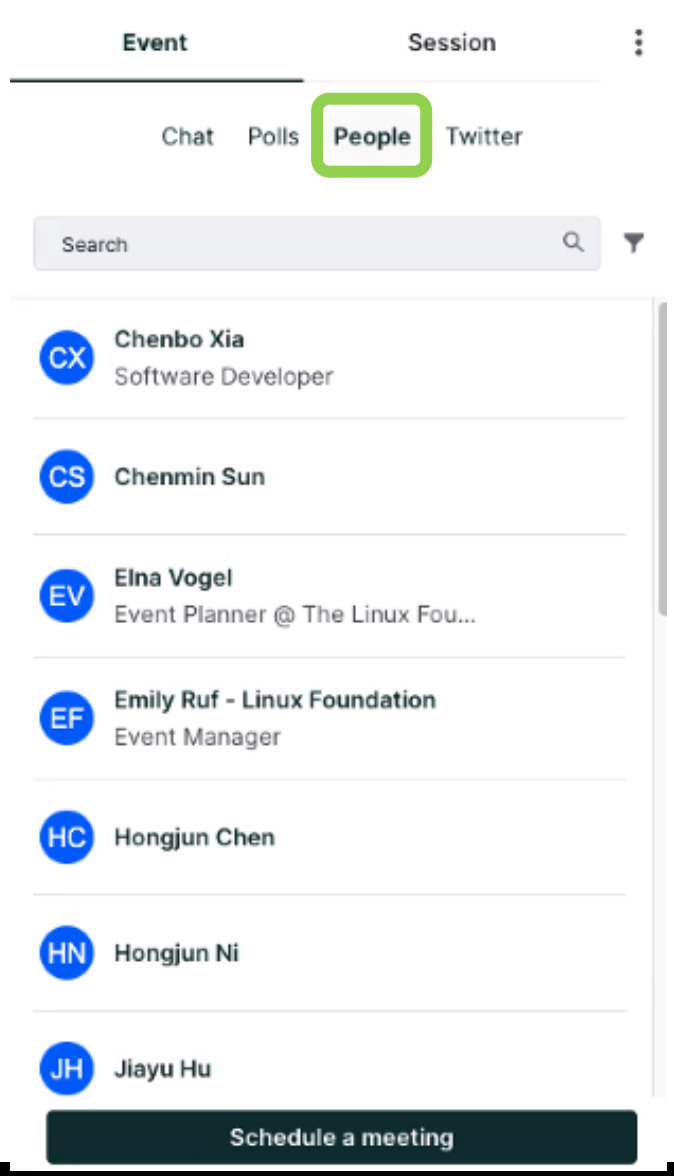
Hopin Event Platform



Event Interaction – Events, Polls, People







Live Translation via Wordly

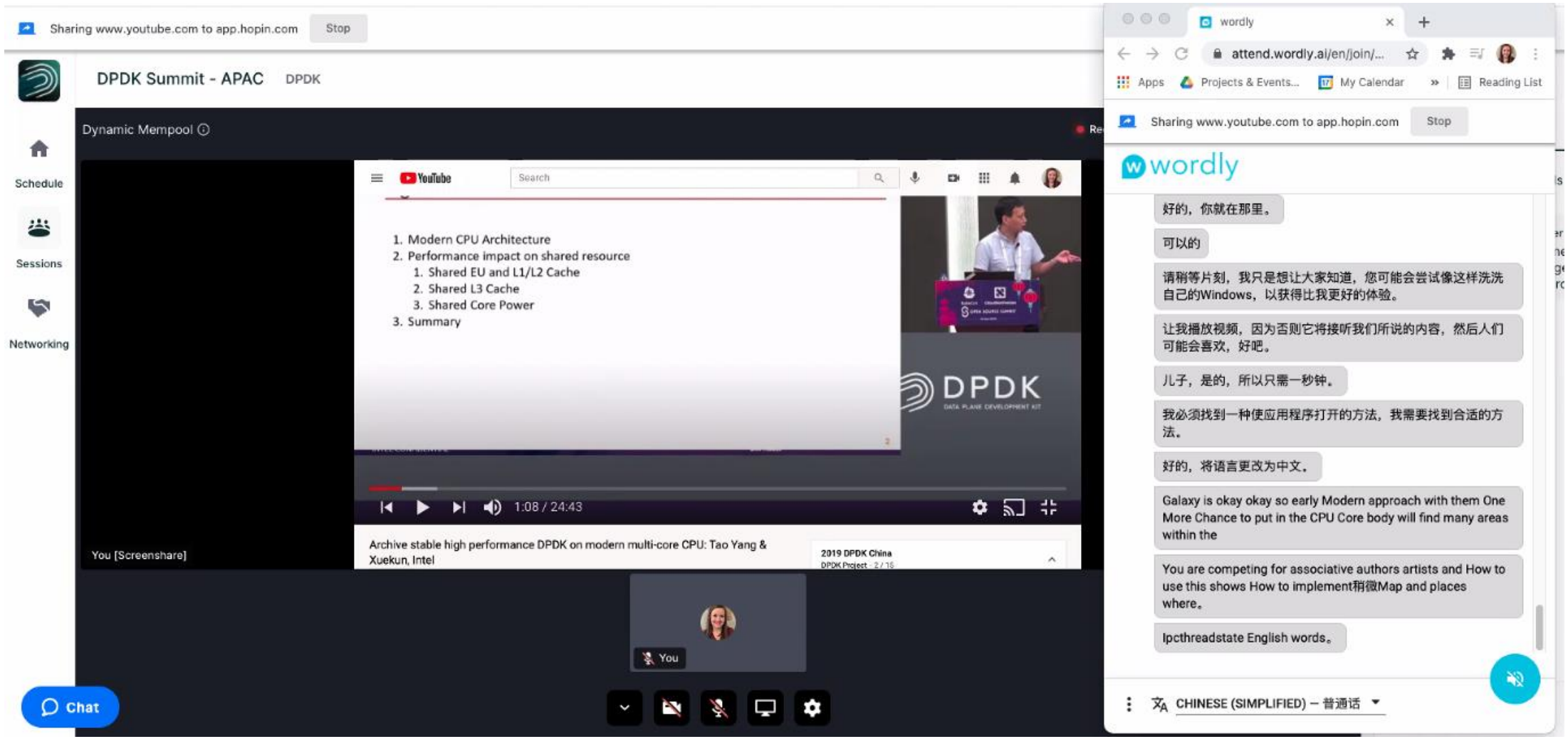
Presentation Language: English

Live translations in your preferred language are available here: **https://attend.wordly.ai/en/join/TTUG-8427**

Presentation slides will be in English - Slides are provided **HERE**.

Choose Language	Choose Language	Choose Language
○ Arabic – العربية	○ German – Deutsch	○ Korean – 한국어
○ Bengali – বাংলা	○ Hindi – हिन्दी	○ Polish – Język polski Beta
◉ Chinese (Simplified) – 普通话	○ Indonesian – Bahasa Indonesia Beta	○ Portuguese – Português
○ Chinese (Traditional) – 國語	○ Italian – Italiano	○ Russian – Русский
○ Dutch – Nederlands	○ Japanese – 日本語	○ Spanish – Español
○ English (US)	○ Korean – 한국어	○ Tamil – தமிழ்
○ French – Français	○ Polish – Język polski Beta	○ Vietnamese – Tiếng Việt Beta

Hopin Platform and Wordly Translation



Networking Chat Roulette!

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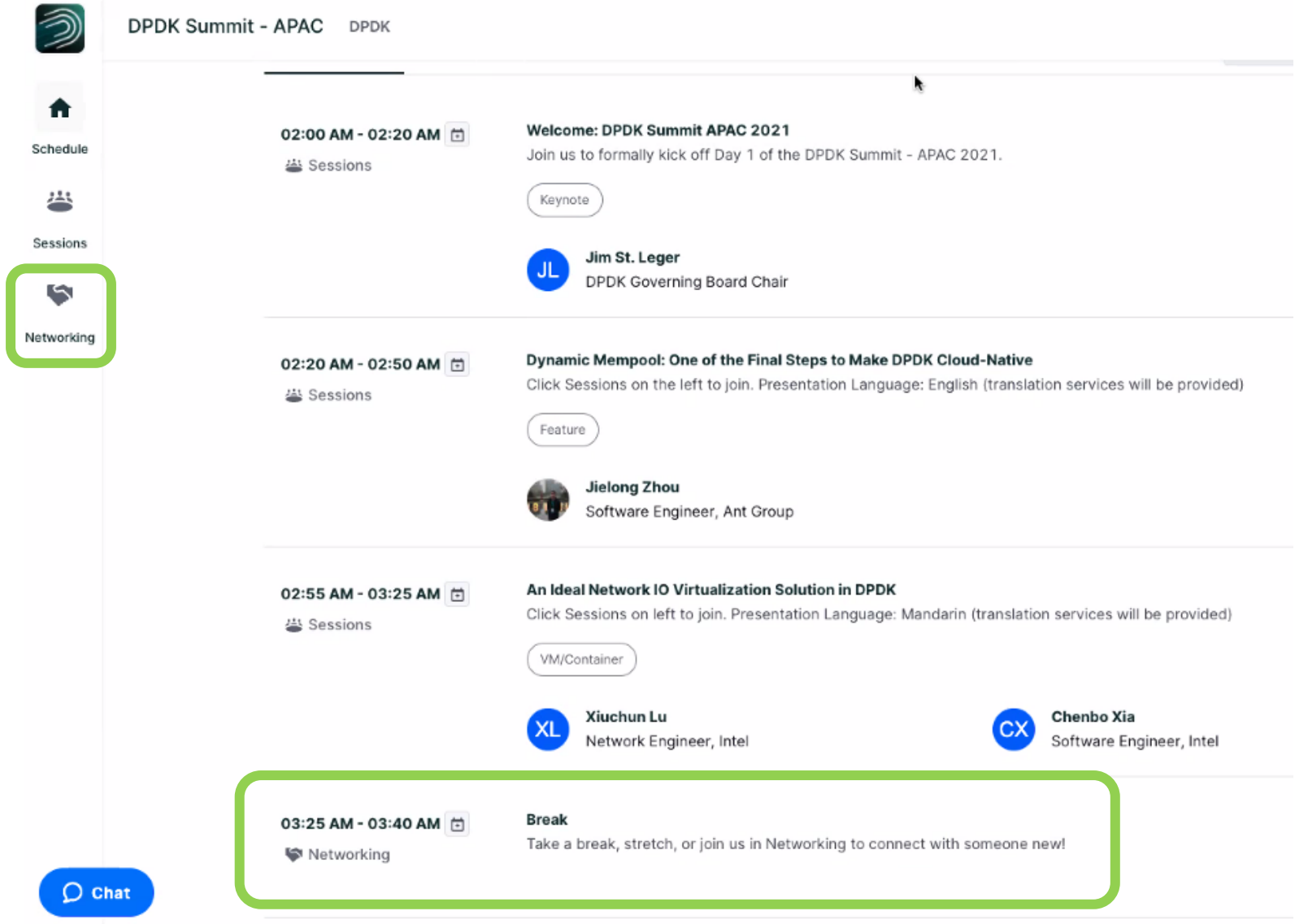
Meet people!



#DPDKSummitAPAC

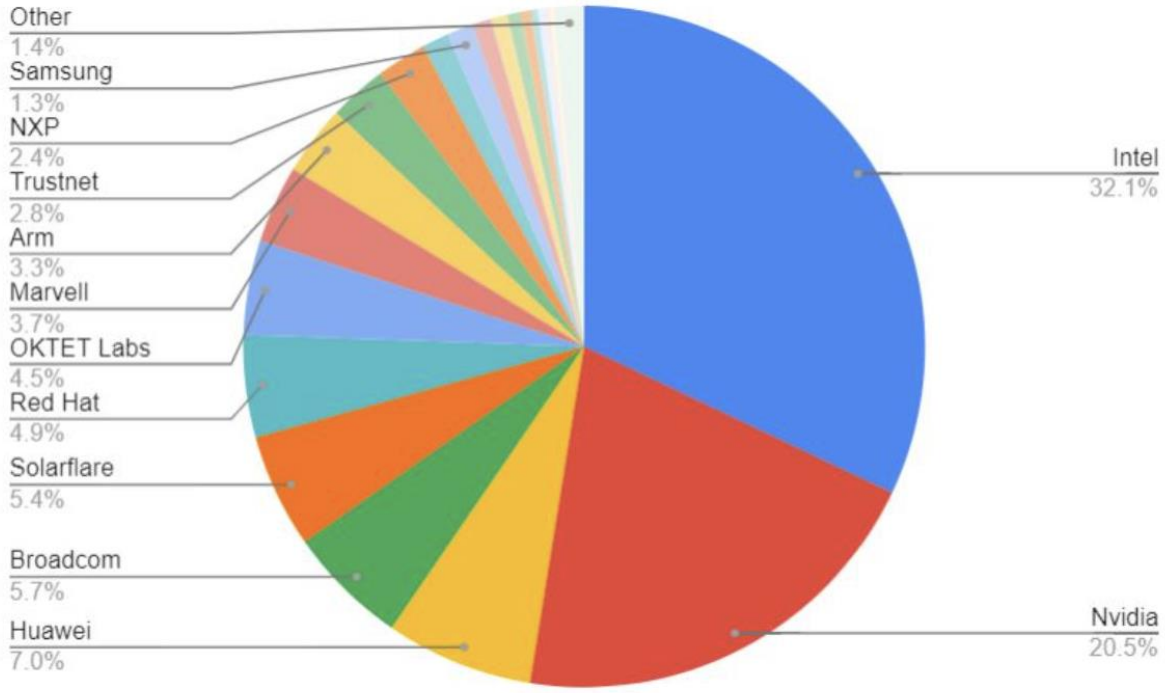
DPDK 20.11 LTS Release

The **biggest** DPDK release ever, with:

2195 commits from 214 authors
2665 files changed
269546 insertions(+), 107426 deletions(-)

- General: mbuf dynamic area increased, ring zero cop, …
- Networking: FEC AP, Rx buffer split, thread safety in flow API, …
- RegEx: Marvell OCTEON TX2 regex driver
- Baseband: Intel ACC100 driver
- Cryptography: raw datapath API, Broadcom BCMFS symmetric crypto
- Others: Intel DLB/DLB2 drivers, Intel DSA support in IOAT driver

Detailed information at this link



commits by employer

Inclusive Language

- The industry is removing offensive, non-inclusive language
- Software, open source projects, standards orgs, documentation
- DPDK 20.11 release replaced:
  - master/slave changed to main/worker
  - whitelist/blacklist changed to allowlist/blocklist
- More work to do
- InclusiveNaming.org is an open source initiative
- Thanks to the DPDK community!

https://doc.dpdk.org/guides/rel_notes/release_20_11.html

DPDK 21.02

- 941 commits from 140 authors
  - 34 new contributors
  - 22 companies making commits
- 1208 files changed, 53571 insertions(+), 21946 deletions(-)

New Features:

- Networking

  - power management for core polling single ethdev queue
  - generic modify action in flow API
  - GENEVE TLV option in flow API
  - Marvell OCTEON TX EP net PMD
  - Virtio PMD rework
  - Windows support of i40e and mlx5

New Features:

- Cryptography

  - callback API for enqueue/dequeue

- Compression

  - Mellanox compress PMD

- Others

  - new pmdinfogen with Windows support

https://doc.dpdk.org/guides/rel_notes/release_21_02.html

DPDK User Community – Growing Again!

本地用户

Global

Celebrating 10 YEARS of DPDK

#DPDKSummitAPAC

https://www.dpdk.org/10th-anniversary/

Celebrating 10 YEARS of DPDK

In Loving Memory: Venky Venkatesan, “The Father of DPDK”

https://www.dpdk.org/10th-anniversary/

DPDK 2021 Events

DPDK Summit North America

July 12-15

Planning for a virtual, on-line event

DPDK Summit Userspace

December 7-10

Planning for a hybrid event, both in-person and virtual access

Location in EMEA

Additional details will be shared as plans develop

Watch DPDK events page https://www.dpdk.org/events/

Thank You Event Organizers!

DPDK SUMMIT APAC•2021

CFP Team:

Bruce Richardson
Honnappa Nagarahalli
Konstantin Ananyev
Stephen Hemminger
Ferruh Yigit
Jerin Jacob
Maxime Coquelin
Olivier Matz
Thomas Monjalon
Hemant Agrawal
Kevin Traynor
Jokul Li
Zhaoyan Chen
Qian Xu

Event Planners:

Jill Lovato
Trishan de Lanerolle
Rachel Braun
Qian Xu
Zhaoyan Chen

Our Speakers:

Harry Chang
Xueqin Lin
Kun Qiu
Yinan Wang
Jun Yang
Hongjun Chen
Xiuchun Lu
Chenmin Sun
Yipeng Wang
Fan Zhang
Zhaoyan Chen
Hongjun Ni
Tri Trinh
Chenbo Xia
Jielong Zhou
Jiayu Hu
Kentaro Ogawa
Xiao Wang
Rosen Xu

DPDK Project Social Media

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DPDK
SPDK

DPDK与SPDK开源社区

长按二维码关注 获取最新资讯

@DPDKProject

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DPDK Summit APAC Agenda – 10 Talks

DPDK SUMMIT APAC•2021

Monday, March 22

07:00 UTC	Welcome: DPDK Summit APAC 2021
07:20 UTC	Dynamic Mempool: One of the Final Steps to Make DPDK Cloud-Native
07:55 UTC	An Ideal Network IO Virtualization Solution in DPDK
08:25 UTC	Break
08:40 UTC	Handling Elephant Flow on a DPDK-Based Load Balancer
09:15 UTC	OvS Tunneling and Connection Tracking Hardware Offload via Rte_flow
09:50 UTC	Accelerating vHost Data Plane with DMA in the CPU
10:20 UTC	Closing Remarks - Day 1

Tuesday, March 23

07:00 UTC	Welcome: DPDK Summit APAC - Day 2
07:05 UTC	Warp Speed Cryptographic Applications - A New DPDK Cryptodev Raw Data Path API and Its Use in FD.io VPP
07:40 UTC	Introducing Hardware Content Inspection Accelerator Into the Network Security Applications
08:10 UTC	Break
08:25 UTC	Enhance SEBA-Based FTTH vCPE System with SPP vSwitch
09:00 UTC	Memory Error Detect Enhancement for DPDK Fuzzing
09:35 UTC	Using DPDK to Build PCIe Endpoint Framework
10:05 UTC	Closing Remarks - DPDK Summit APAC 2021

https://dpdksummitapac2021.sched.com/

#DPDKSummitAPAC

NOTE: Presentations are in English or Chinese with closed captioning translation

DPDK

SUMMIT

APAC • 2021

Event Survey

Please fill out the event survey

Let us know what worked

Let us know what needs improvement