UXL Foundation Monthly Update

November 2024

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Unified Acceleration Foundation

UXL Foundation Membership

New members during November:

- CDAC
- X-Silicon

Welcome to the UXL Foundation!

UXL Foundation November 2024 Highlights

- We held the first face to face UXL Foundation meetup held at the SC24 conference

- Many UXL Foundation members were able to meet for the first time in person in Atlanta including Arm, Fujitsu, Google Cloud, Intel, Micron, SK Hynix, Untether AI

- We announced the oneAPI Construction Kit being contributed to the foundation

- The oneAPI Construction Kit and oneTBB projects have migrated to the UXL GitHub organisation

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Events & Marketing Update

- A range of SC24 Conference activities
  - [Announcement](#): contribution of oneAPI Construction Kit project to the UXL Foundation
  - UXL Foundation Meetup (~40 attendees)
    - Presentations from Arm, Fujitsu, Google and Intel
  - Steering Committee members Rod Burns, Penporn Koanankatool and Priyanka Sharma hosted a panel
- Alison Richards presented at the Linux Foundation Member Summit
- Watch UXL member Embecosm's [recording](#) of their presentation about their use of the oneAPI Construction Kit at the RISC-V Summit

Working Groups + SIGs

Open Source Working Group

[Project best practices](#) work package

- 4 remaining issues
- oneAPI Construction Kit issues opened

[Security processes and infrastructure](#) work package

- Average OpenSSF score > 7.5/10
- Further work ongoing

[Public Build Infrastructure](#) work package

- 3 projects now have public build logs

GitHub Migration

- oneDAL, oneTBB, oneMath, oneAPI Construction Kit done
- 3 remaining

oneMKL Re-naming to oneMath

- RFC complete

SIGs

Language SIG

- Discussion on use of SPIR-V extensions with the DPC++ compiler
- Explanation of how extensions affect code compilation
- Presentation, recording and extensions tracking sheet available [here](#)

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Upcoming in December

See the [public calendar](#) for upcoming meetings and join the relevant [mailing lists](#) to receive invitations

- UXL Foundation Member Meeting (3rd December)
  - Recording and slides made available to members who registered
  - Contact the operations email if you are a member and would like to receive these

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