Khronos Advisory Panel BOF

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Thank You for Coming!

• The purpose of this session is to invite you to consider joining the OpenCL Advisory Panel
  - A vital channel for the OpenCL Working Group to receive feedback from the wider community to ensure we are meeting the needs of the industry
  - Especially if you are an active user/programmer for OpenCL

• We have just a few slides:
  - What is Khronos and how it works as an organization
  - What is an Advisory Panel?
  - Why should I join - and what happens if I do?

• Then open up the floor for questions and discussion

• But first - brief introductions!
Khronos Mission

Khronos is an open, member-driven industry consortium developing royalty-free standards, and vibrant ecosystems, to harness the power of silicon acceleration for demanding graphics rendering and computationally intensive applications.

Khronos members are industry leaders from around the world that join to safely cooperate - to advance their own businesses and the industry as a whole.
Active Khronos Standards

Industry involvement, engagement and feedback are the lifeblood of any successful standard.
Levels of Khronos Engagement

- **Working Group**: Contribute to open source specs, CTS and tools
- **Advisory Panel**: Spec fixes and suggestions made under the Khronos IP Framework. Open source contributions under repo’s CLA - typically Apache 2.0
- **OpenCL Forum and Slack Channel**: Advisors under the Khronos IP Framework can comment and contribute to requirements and draft specifications
- **Khronos members under IP Framework and NDA can participate and vote in working group meetings**

Open to all! [https://community.khronos.org/c/opencl](https://community.khronos.org/c/opencl) [www.khr.io/slack](http://www.khr.io/slack)
Khronos Cooperative Framework

Khronos Board
- Strategy, budget and oversight

API Working Groups
- (Industry, Academic and Associate members)

Advisory Panels
- Individual industry experts by invitation, no fee.
- Provide requirements and draft spec feedback

Adopters Programs
- Build conformant implementation and products

Conformance Tests

Royalty-Free Specifications

Implementations, Tools Documentation, Samples

Educator Guidelines Courseware Materials

Developers
- Develop applications using the APIs

Educators / Certifiers
- Create Courses
- Training and Certification

Advisory Panels

Industry and Community
- Feedback and contributions on released materials

Open and royalty-free. Often open sourced

One vote per industry member

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The Value of Khronos Participation

- Gain early insights into industry trends and directions
- Influence the design and direction of key open standards that will drive your business
- Accelerate your time-to-market with early access to specification drafts
- Gather industry requirements for future open standards
- Draft Specifications Confidential to Khronos members
- Publicly Release Specifications and Conformance Tests
- Network with domain experts from diverse companies in your industry
- State-of-the-art IP Framework protects your Intellectual Property
- Enhance your company reputation as an industry leader through Khronos participation and outreach

Proven Khronos process for multi-company consensus and governance

Khronos membership is open to any company for access to all standardization initiatives. Annual membership fees start at $3,500 for smaller companies.  
https://www.khronos.org/members/
Khronos Advisory Panels

Khronos Members
- Any company can join
- Membership Fee
- Sign NDA and IP Framework

Khronos Advisors
- Invited industry experts
- $0 Cost
- Sign NDA and IP Framework

Specification drafts and invitations for requirements and feedback

Requirements and feedback on specification drafts

Working Group

Shared Email list and Repository
- Hosted by Khronos
- Under Khronos NDA

Advisory Panel

Advisory Panels currently available for Vulkan, OpenCL, SYCL, NNEF and OpenXR
Advisory Panel Signup Process

- Send a one paragraph application email to opencl-wgchair@khronos.org
  - Who you are and your background
  - What is your interest and expertise in OpenCL
  - How you are interested to contribute

- The OpenCL working group will vote to approve your application
  - The working group meets weekly - rapid turnaround
  - If approved, Khronos will invite you to execute the Advisory Panel Participation Agreement

- Execute and email back the Khronos Advisory Panel Participation Agreement
  - Essentially an NDA, a CTS source license and agreement to abide by the IP Framework:
    - You won’t assert your patents against any CONFORMANT implementation of a RATIFIED Khronos Specification (no patents need be disclosed)
  - You can sign as an individual or on behalf of your company
    - If you sign as a company you can also designate colleagues for Advisory Panel Privileges (1-2)
  - There is no Advisory Panel Membership Fee
What Happens Then?

- The Working Group will reach out regularly on the Advisory Panel Email List
  - Request for input on use cases and requirements
  - Seeking feedback on design directions and draft specifications
  - Ecosystem feedback on tools, libraries, sample code etc.

- Right now the Working Group is primarily seeking feedback on OpenCL Next
  - Including Feature Sets, kernel language evolution etc.
  - A significant opportunity to move OpenCL forward - more details tomorrow 😊

- The Working Group may arrange occasional meetups or WebEx teleconferences
  - For more real-time interaction over key issues and directions
  - E.g. maybe an actual NDA AP meeting here at IWOCL next year

- Advisory Panel members are always welcome to email the Working Group
  - With questions, issues and opportunities

- There is no minimum commitment to time, effort or travel
  - You should engage to best suit your personal and business interests
  - All Advisory Panel Invitations are reviewed and renewed annually
Questions and Discussion

• Does joining up sound interesting and relevant to you?
• What topics would you most like to have input and feedback on?
• Any suggestions on how to improve this process?

• Email your brief intro to opencl-wgchair@khronos.org

Thank you for considering joining the OpenCL Khronos Advisory Panel!
We hope we get a chance to work with you, and that the experience proves to be rewarding!