

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



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

Z

Active Khronos Standards













3D ASSET AUTHORING **AND DELIVERY**





PORTABLE XR -VIRTUAL AND **AUGMENTED REALITY**



PARALLEL COMPUTATION, VISION, MACHINE LEARNING AND INFERENCING









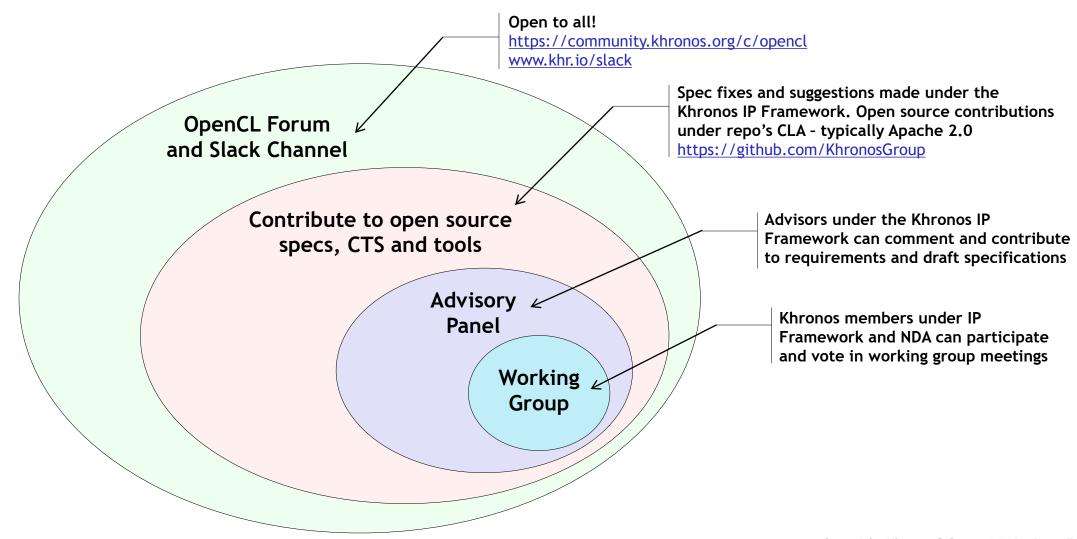


SAFETY CRITICAL FORUM: Creating API design guidelines for markets requiring safety certification



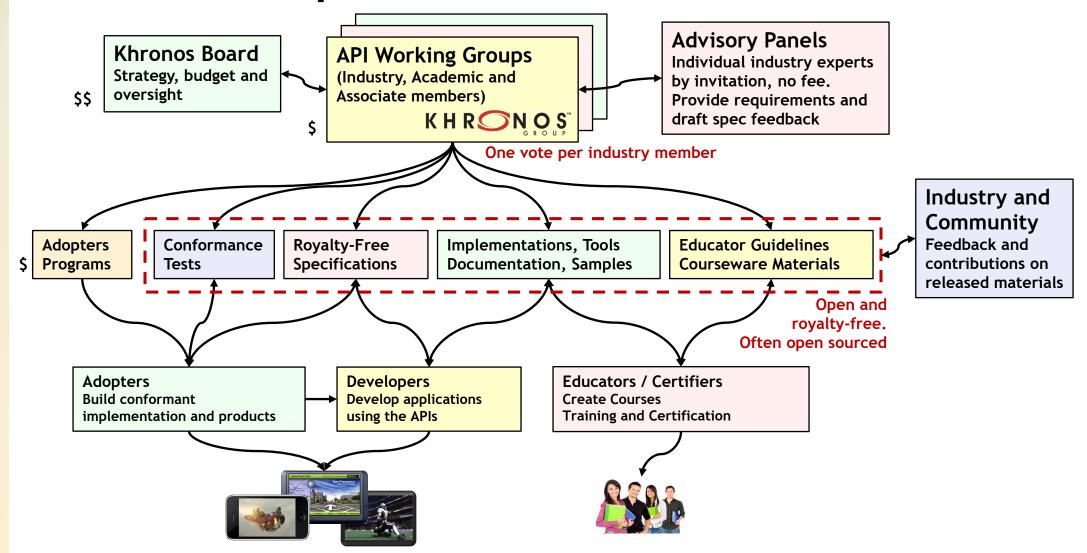
Industry involvement, engagement and feedback are the lifeblood of any successful standard

Levels of Khronos Engagement

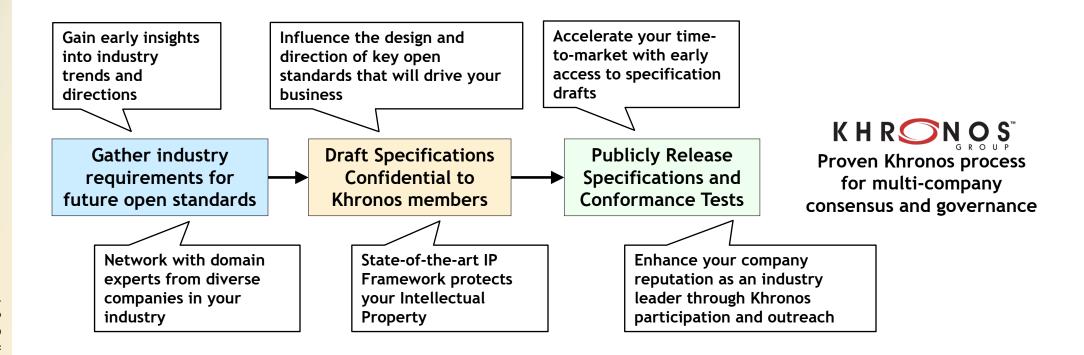


K H R O S O C P O

Khronos Cooperative Framework



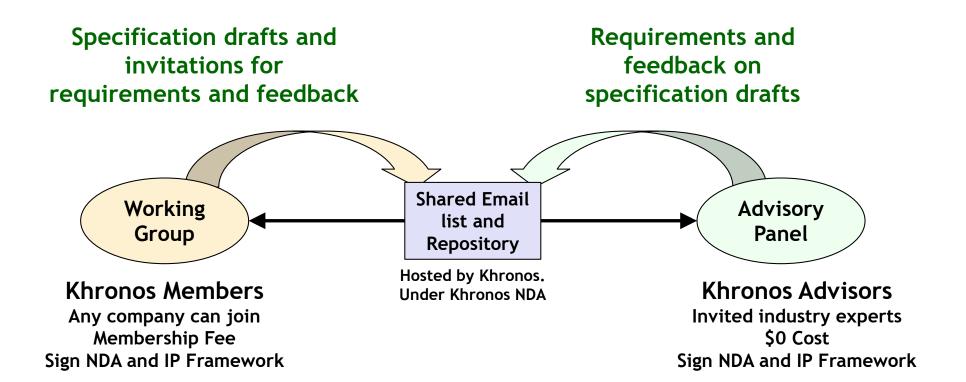
The Value of Khronos Participation



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



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

Advisory Panel Signup Process

- Send a one paragraph application email to <u>opencl-wgchair@khronos.org</u>
 - 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
 - https://www.khronos.org/files/khronos-advisory-panel-participation-agreement.pdf
- 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 <u>opencl-wgchair@khronos.org</u>

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!



