USDWG TAC REVIEW

Alexander Schwank & Nick Porcino - 7/9/2025

What is USDWG?

- Primary USD community place
- Raise ASWF + M&E community issues
- Showcase community contributions and work
- Highlight OpenUSD-Proposals of note to ASWF
- Educate on topics around USD
- Working groups have defined work products

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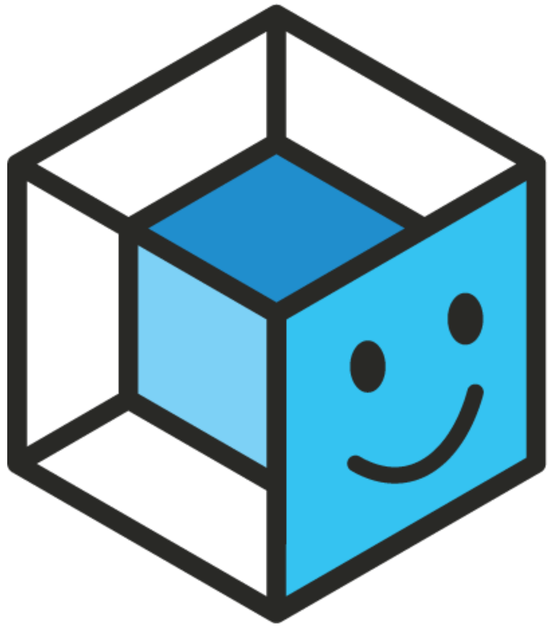
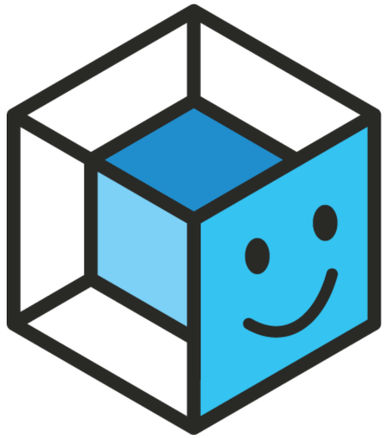
TAC vote

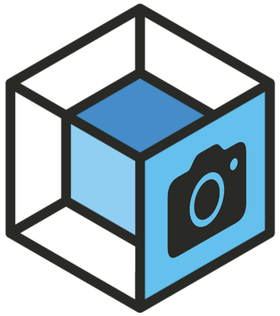
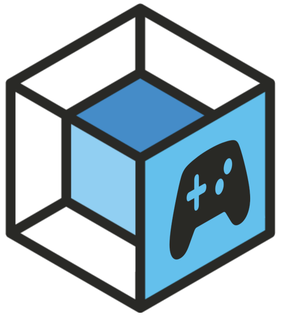
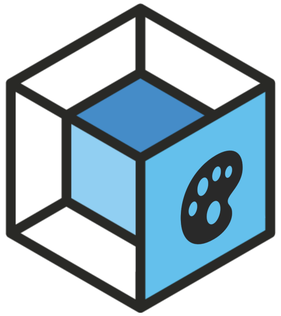
USDWG is now a long-term working group!



USDWG



USDWG

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Members

Growth

- USDWG continues to grow membership
- 200 new members since 2024 TAC review
- New members are a diverse mix of ASWF members and non-members

90+

90+

Meetings per year

SWG work products

Assets: (see later slide)

Camera: Established as cross-body meeting place for camera standardization (VES, ASC, ASWF, SMPTE)

Games: Driving adoption in games industry

MaterialX: Glue between MaterialX project and AOUSD Materials WG

Web: Matured to fully transition to AOUSD

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Presentations

Date	Presentation Title	Presenter	Original Video Link	Edit Assignment	Edit Status	Approval Assignment	Approval Status	Publish Assignment	Publish Status
6/18/2025	Allowing Alternate Implementations of Li	Denise Yang	https://zoom.us/rec/share/ai	Adelie C	Done	Adelie C	Approved	Adelie C	To be done
6/4/2025	UI Hints in USD	Allison Bianchi	https://zoom.us/rec/share/y7	Davis Hardy	To be done	Name	To be done	Name	To be done
5/21/2025	Monocle 3D System	Aaron Hilton	https://zoom.us/rec/share/b	Name	To be done	Name	To be done	Name	To be done
5/7/2025	Update on USD Profiles Proposal	Nick Porcino	https://zoom.us/rec/share/O	Name	To be done	Name	To be done	Name	To be done
4/23/2025	HDI Present Proposal	Aleksi Sapon	https://zoom.us/rec/share/d	Name	To be done	Name	To be done	Name	To be done
4/23/2025	OpenUSD 25.05 RC	Varun Talwar	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
4/23/2025	Linear grayscale sample file with HDRI	Scott Geffert	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
4/23/2025	FBX migration update	Nick Porcino	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
4/23/2025	Godot + USD experiment	Nick Porcino	https://zoom.us/rec/share/d	Name	To be done	Name	To be done	Name	To be done
4/9/2025	ASWF Continuous Integration overview	Jean-Francois Panisset	https://zoom.us/rec/share/U	Name	To be done	Name	To be done	Name	To be done
4/9/2025	USD solid modelling playground	Thayer Andrews	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
3/26/2025	Summer Learning Program (SLP)	Karen Ruggles	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
3/26/2025	Hugin Studios - helping spread the knowl	Dan Englesson	https://zoom.us/rec/share/4l	Name	To be done	Name	To be done	Name	To be done
3/12/2025	MaterialX USD render test suite comparis	Bernard Kwok	https://zoom.us/rec/share/vl	Name	To be done	Name	To be done	Name	To be done
3/12/2025	Swift & USD: No matter where you are	Tyler Furby	https://zoom.us/rec/share/vl	Name	To be done	Name	To be done	Name	To be done
3/12/2025	SdrRegistry questions	James Pedlingham	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
2/26/2025	**No presentation**	No presentation	No presentation	Name	None	Name	None	Name	None
2/12/2025	OpenUSD Exchange SDK	Andrew Kaufman	https://zoom.us/rec/share/tD	Name	To be done	Name	To be done	Name	To be done
2/12/2025	Schema User Docs	Dan Yu	https://zoom.us/rec/share/tD	Name	To be done	Name	To be done	Name	To be done
1/29/2025	OpenUSD 25.02a patch release	Sunya Boonyatera	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
1/29/2025	Ndr deprecation	An Wang	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
1/15/2025	**No presentation**	No presentation	No presentation	Name	None	Name	None	Name	None
12/3/2024	<model> element update	Brandel Zachernuk	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
12/3/2024	USD profiles proposal	Dhruv Govil	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
11/20/2024	UsdSemantics	Attila Szabo	https://zoom.us/rec/share/O	Name	To be done	Name	To be done	Name	To be done
11/20/2024	OpenUSD and AOUSD security policies	Matthew Kuruc	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
11/6/2024	USD Render Benchmark	Nicolas Popravka	https://zoom.us/rec/share/2l	Name	To be done	Name	To be done	Name	To be done
11/6/2024	OpenExec Follow-Up	Florian Zitzelsberger	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
10/23/2024	OpenExec Update 2024	Florian Zitzelsberger	https://drive.google.com/file/	Name	Done	Name	Approved	Name	Done
10/9/2024	OpenUSD Python Bindings update	Sunya Boonyatera	https://zoom.us/rec/share/Q	Name	To be done	Name	To be done	Name	To be done
9/11/2024	OpenFX USD Interop	John Paul Smith	https://zoom.us/rec/share/A	Name	To be done	Name	To be done	Name	To be done
8/28/2024	Caldera data set	Koen Vroeijenstijn	https://zoom.us/rec/share/1	Name	To be done	Name	To be done	Name	To be done
8/14/2024	**No presentation**	No presentation	No presentation	Name	None	Name	None	Name	None
7/17/2024	Contributing to a more accessible world	Thomas Logan	https://zoom.us/rec/share/B	Name	To be done	Name	To be done	Name	To be done
7/3/2024	WWDC recap	Dhruv Govil	Not to be published	Name	Not to be done	Name	Not to be done	Name	Not to be done
6/13/2024	UsdValidator Examples and Community H	Jessica Wang, Varun Talwar	https://drive.google.com/file/	Name	Done	Name	Approved	Name	Done

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Proposals

OpenUSD-Proposals

- USD Profiles
- OpenExec
- Alternate implementations of libwork
- LODs
- Physical lighting
- ...

5+

5+

ASWF Collaborations

ASWF Collaborations

- **OCIO + CIF:** color management in OpenUSD
- **MaterialX:** shipped 1.39
- **CI:** learn from CI work
- **D&I:** promote D&I
- **DPEL:** close collaboration with Asset SWG
- {**Add more here**} <— ask for TAC

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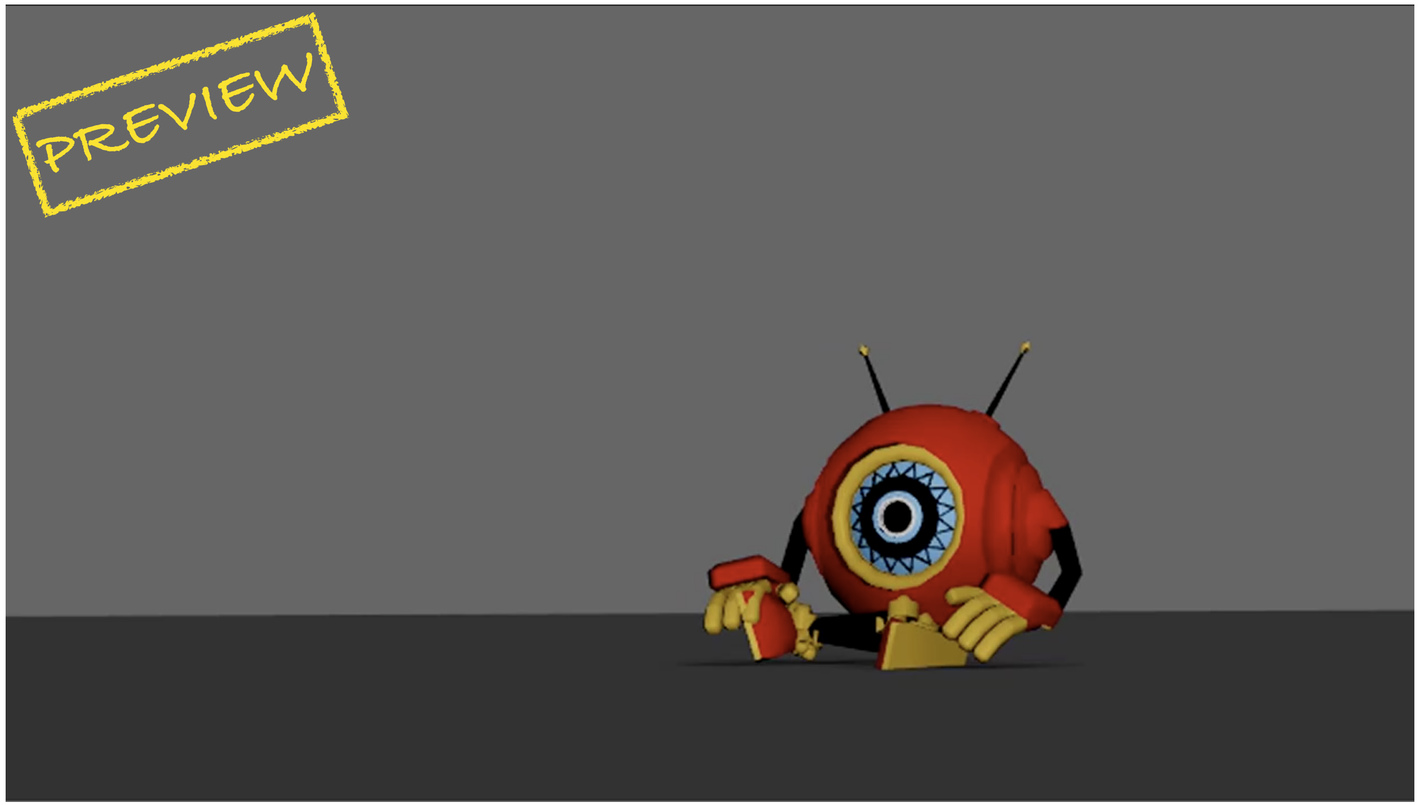
Community production

Collective Project 001



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Bake-off entries

A plate of Lussekatter (St. Lucia Buns). These are Swedish saffron buns eaten during the Christmas season, especially on Saint Lucy's Day, December 13th.

The first gingerbread house we made with my 18 month old daughter. The missing doorknob and roof decoration were casualties of a new found love of candy, and smeared icing was relocated onto her face. All around an awesome and messy memory to capture!

I made these Christmas cookies for gifts this year for family and friends. was a baking frenzy to get all these made in one night.

A banana bread loaf baked by my mom and enjoyed by the family over the holidays.

I bake a set of Christmas cookies every year. Have to say 2024 was my tastiest batch yet. Family agrees.

My wife and I love to bake for the holidays. This year we decided to do an Asian twist on her family recipe of coconut lime sour bars. We used primarily calamansi to flavor the frosting instead, which is a Filipino citrus fruit. The bars turned out delicious!

The scan was done using Kiri engine and photo scans on an iPhone 13 mini.

Traditional German apple pie with lots of sugar and sprinkled with even more sugar.

Homemade sausage rolls - also made by mum when she was visiting for the holidays - because every mum wants to spoil her son with his favorite treat. Artistically stacked by my daughter.

I made these fruit tarts not long ago with my girlfriend. Was my first attempt at making these and we had a lot of fun. I shared them at a potluck and they were a hit!

It's a pumpkin pie made by my mom. I only eat her pumpkin pie and while it was only made for Thanksgiving for many years, I've persuaded her into making it for Christmas and for my birthday as well :). Captured with Reality composer

A pie with Indian flavours and the colors of the Indian flag. Featuring a mango lassi filling, a spicer Indian cracker crust, whipped cream and pistachios. Adorned with a OpenUSD logo.

Homemade mince pies - a traditional English Christmas treat - made by my mum when she was visiting for the holidays and scanned by my 9 year old daughter!

I baked these banana chocolate chip muffins tonight. One of my favourite and easy things to make and they're so delicious - they don't last long. I scanned them with the Monocle Prime App.

Just wanted to share this gingerbread house. Honestly I didn't make this so I don't expect to win the contest with this scan but I had to send it in. Love the detail from the creator.

This is a family project! Our daughter Mira (7) made the snowman and gingerbread house. My wife Minh, and me, *<name>*, added the OpenUSD (front) and glTF (back) logos. What's awesome is that Mira already knew the logos – I think 3D formats happen to be unusually present topic in our household. She was only slightly annoyed at the new decoration for the house's roof.

Gingerbread houses originate from our home country of Germany. Making decorated baked houses became a tradition around the time the Grimm brothers wrote down the famous "Hänsel and Gretel" fairy tale, something that we've often read together.

README License

ASWF USDZ Bake Off

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The ASWF USD Working Groups is the Academy's community around Pixar's OpenUSD technology.

USD (https://github.com/PixarAnimationStudios/OpenUSD) is a high-performance extensible software platform for collaboratively constructing animated 3D scenes at a large scale, designed for film and visual effects production, but adopted by many other industries from manufacturing to architecture to digital twins.

This repository hosts community entries to the ASWF USDZ Bake Off, hosted by the ASWF USD Working Group.

2025

On January 15 the ASWF USD Working Group enjoyed the results of the 2025 USDZ Bake Off. Contestants baked something they loved, scanned their creations, and turned them into USDZ files. After a spirited presentation, the audience picked their favorite, and baker's apprentice and choice were also awarded.

Thanks.

Q&A