



NISE
NETWORK

ONLINE
WORKSHOPS

Practical Approaches to Immersive Digital Experiences in Museums

Online Workshop Summary of Resources

July 21, 2026

Presenters

- **Ben Wilson**, Director of Digital & Interactive Media, **Museum of Science, Boston**, MA; bwilson@mos.org
- **Liz Kunz Kollmann**, Director, Research and Evaluation, **Museum of Science, Boston**, MA; ekollmann@mos.org
- **Darrell Porcello**, Director, Learning Networks, **Children's Creativity Museum**, San Francisco, CA; porcello@gmail.com
- **Christine Brubaker**, Associate Professor, Drama, **School of Creative & Performing Arts, University of Calgary**, Calgary, Alberta, Canada; Christine.brubaker@ucalgary.ca
- **Awstin Davies**, Creative Technical Director, **Rella's Cambrian Dream, University of Calgary**, Calgary, Alberta, Canada

Resources

- All resources (including a PDF download of the slides and this summary): <https://nisenet.org/Immersive-Experiences-AIM>
- Recording of the online workshop on Vimeo: <https://vimeo.com/nisenet/immersive-experiences>

Links Shared During the Workshop

NISE Network Resources

- Online Workshop Recording: DIY NASA Exhibits with Earth Information Center & ViewSpace: <https://www.nisenet.org/DIY-NASA-Exhibits>
- Register for upcoming online workshops: <https://nisenet.org/events>
 - August 11th - Ready for Roman - Resources for Celebrating the Launch of NASA's Nancy Grace Roman Space Telescope: <https://www.nisenet.org/Roman-Telescope-2026>
- Staying connected to the NISE Network
 - Getting started with the NISE Network: <https://nisenet.org/gettingstarted>
 - Browse resources by topic: <https://www.nisenet.org/browse-topic>
 - Read the monthly newsletter: <https://nisenet.org/newsletter>
 - Follow #nisenet on social media: <https://www.nisenet.org/social>
 - Upcoming events & online workshops: <https://www.nisenet.org/events>

- Recordings of past NISE Network online workshops:
<https://www.nisenet.org/online-workshop-recordings>

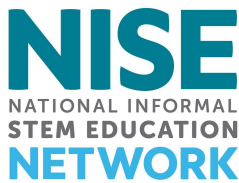
Presenter Resources

- **Museum of Science, Boston, MA:** <https://www.mos.org>
- Alliance for Immersion in Museums (AIM): <https://www.museumimmersion.org/>
- Join the AIM contact list: <https://www.museumimmersion.org/join>
- “Understanding AIM’s Technical Approach” (link at the bottom of the About page to download technical specs, space requirements and hardware details):
<https://www.museumimmersion.org/about>
- Equipment used in the Museum of Science’s immersive rooms:
 - Projectors:
Panasonic PT-REQ10L 4K DLP Projector, two per wall and six for the floor
 - Sensors:
2D LiDAR: Hokuyo UST-10LX Scanning Laser Rangefinder, two per wall
3D LiDAR: Ouster OS0-64, two mounted in the ceiling grid
- **Children's Creativity Museum, Community Garden:**
<https://creativity.org/community-garden-2/>
- TeamLab Sketchtown: <https://www.teamlab.art/w/sketchTown>
- Community Garden, Jordan Graves & the Children’s Museum of Pittsburgh:
<https://pittsburghkidsdesign.org/exhibit-for-sale/community-garden/>
- **University of Calgary School of Creative and Performing Arts:**
<https://arts.ucalgary.ca/creative-performing-arts>
- Action Pants (creative partnership between theatre artists Christine Brubaker and Laura Philipps to develop performances at the intersection of live theatre, audio narrative and interactive digital experiences): <https://www.actionpants.ca/>
- Rella's Cambrian Dream Digital Immersion Gallery Pilot (90 second video):
<https://vimeo.com/1210843891?fl=pl&fe=sh>

More Resources & Information (from chat/Q&A)

- Examples Mentioned in the Chat
 - New York Hall of Science Connected Worlds:
<https://nysci.org/exhibits>
<https://vimeo.com/131665883?fl=pl&fe=sh>
<https://www.design-io.com/projects/connectedworlds>
 - LEGO Discovery Place - Spaceship Build and Scan:
<https://www.legodiscoverycenter.com/boston/whats-inside/attractions/spaceship-build-and-scan/>

- Augmented Reality (AR) experiences on Snapchat
<https://ar.snap.com/>
- The Museum of Art + Light, Manhattan, KS
<https://artlightmuseum.org/>
- NISE Network Three Drops 2008 formative evaluation, immersive exhibit by Snibbe Interactive
<https://www.nisenet.org/catalog/three-drops>
- NISE Network Mixing Molecules 2009 formative evaluation immersive exhibit by Zack Booth Simpson of Mine-Control
<https://www.nisenet.org/catalog/mixing-molecules>



This material is based upon work supported by NASA under cooperative agreement award number 80NSSC22M0122. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the view of the National Aeronautics and Space Administration (NASA).

Developed and distributed by the National Informal STEM Education Network. Copyright 2026, Arizona State University. Published under a Creative Commons Attribution-Noncommercial-ShareAlike license:
<http://creativecommons.org/licenses/by-ncsa/3.0/us/>