**SciAccess 2024 Conference Schedule**

**Strand A: Accessibility in STEM Outreach and Education**

**Strand B: Inclusive Design and Technology**

**FRIDAY, MAY 10TH**

All times are in Eastern Time (ET)

9:00-9:15 AM

**Welcome Address by SciAccess Director Anna Voelker**

9:15-9:45 AM

* **Strand A:** The LightSound Project: Using Sonification to Observe a Solar Eclipse. Allyson Bieryla.
* **Strand B:** Automated Light Signaling - A Visual Warning for Gravity Changes on Parabolic Flights. Brenda Williamson.

9:45-10:00 AM

* **Strand A:** A Touch of Space Weather – Exploring Multisensory Outreach. Dr. Lenka Zychova.
* **Strand B:** Culturally Responsive Makerspaces. Jane Crayton.

10:00-10:30 AM

* **Strand A:** Considering the Unique Needs of Children in Accessibility Design. Shana Hawrylchak, Dr. KT Todd, Dr. Susan Heilman.
* **Strand B:** Bridging the Senses: Innovative Inclusive Notational Tools for Astronomy-Inspired Music Composition. Exodus Chun-Long Sit.

10:30-10:45 AM

* **Strand A:** Reflections and Perspectives on Teaching an Assistive Technology Course. David L. Jaffe.
* **Strand B:** #Flipthepowerdynamic in Autism Research and Funding. Dr. Shannan Palma.

10:45-11:00 AM

**BREAK**

11:00-12:00 PM

**Keynote Speaker**: Dr. Ashley Shew

Disability Advocate, Author, and Associate Professor of Science, Technology, and Society.

12:00-1:00 PM

**BREAK**

1:00-1:15 PM

* **Special Session:** United States Agency for International Development (USAID)

1:15-1:45 PM

* **Strand A:** History and Reflections of the Entry Point! Program. Laureen Summers.
* **Strand B:** Disability Inclusion in Computer Science. Dr. Brianna Blaser.

1:45-2:00 PM

**BREAK**

2:00-2:15 PM

* **Strand A:** Breaking Barriers: STEAM Pedagogy in Interdisciplinary Space Art Education. Muhammad Rayan Khan.
* **Strand B:** Integrating Neuroinclusive Pedagogy into Practice. Dr. Andrew Buck, Anirudh Subramaniam.

2:15-2:45 PM

* **Strand A:** Making the “Touch the Universe” Tactile Exhibition Available at Any Museum in Japan. Dr. Kumiko Usuda-Sato.
* **Strand B:** Sines of Disability: A New Vision for Mathematics. Dr. Lisette E. Torres, Dr. Daniel L. Reinholz.

2:45-3:00 PM

**BREAK**

3:00-3:15 PM

* **Strand A:** Creating Accessible Science Capital for Individuals with Disabilities in Science Museums. Gabriela Sehnem Heck.
* **Strand B:** The Frist Center for Autism and Innovation -- Five Years of Engineering Technologies and Transforming the Workplace – Inspired by Neurodiversity. Jessica Schonhut-Stasik.

3:15-3:45 PM

* **Strand A:** 3D Printing Programs at Schools for the Blind: What Has Worked and How We Are Collaborating to Create Solutions. Caroline Karbowski.
* **Strand B:** NASA's Neurodiversity Network: Lessons Learned. Dr. Lynn Cominsky.

3:45-4:00 PM

**BREAK**

4:00-5:00 PM

**Keynote Speaker**: Dr. Chris Boshuizen

Blue Origin Astronaut and Co-founder and CTO, Planet Labs.

5:00-6:00 PM

**Conference Social Hour** hosted by Alethea Martin

**SATURDAY, MAY 11TH**

All times are in Eastern Time (ET)

9:00-9:15 AM

**Welcome Address by Dr. John Beacom**

9:15-9:30 AM

**Special Session**: Greetings from the South Pole

9:30-10:00 AM

* **Strand A:** The Textured Universe: 3D Printing Technology and Materials To Stimulate Interest in Science. Dr. Carol Christian.
* **Strand B:** Why Disclosure Doesn't Work. Dr. Mahadeo Sukhai.

10:00-10:30 AM

* **Strand A:** 3D Printing and Astronomy for Students with Visual Impairments: The STEM Career Exploration Lab. Dr. Thomas Madura, Dr. Carol Christian, Dr. Tiffany Wild.
* **Strand B:** Adopting Universal Design Principles to Increase the Accessibility of your Project. Scott Bellman, Dr. Kiriko Takahashi, Dr. Jeff Traiger, Dr. Alexis Petri.

10:30-10:45 AM

**BREAK**

10:45-11:15 AM

* **Strand A:** Creation of Accessible Astronomical Dance-Theater Play: "Artificial Eclipse". Erika Fabiola Labbé Waghorn.
* **Strand B:** Universal Design Principles for Interviews in Science and Engineering. Dr. Samuel M. Greene.

11:15-11:30 AM

* **Strand A:** STEAM Accessibility and Spaceship Earth: Possibilities and Paradigm Shifts. Adrienne Provenzano.
* **Strand B:** Welcome to the Neuroverse. Jessica Schonhut-Stasik, Dave Thompson, Olivia Greene.

11:30-12:00 PM

* **Strand A:** Five Strategies for Improving Outcomes for Neurodivergent Learners. Dr. Shannan Palma, Dr. Lena Furci.
* **Strand B:** A Universe of Sound: Processing NASA Data into Sonifications to Explore Participant Response. Sarah Kane, Jessica Schonhut-Stasik.

12:00-1:15

**LUNCH BREAK**

1:15-1:45 PM

* **Strand A:** From the Tropical Rainforest in Puerto Rico to Mars, How Field Studies and Internships Prepare Students with Disabilities to be Space Explorers and Scientists and Engineers. Joann Blumenfeld and others.
* **Strand B:** The True Barriers to STEM. Dr. Sharon McLennon Wier, Molly Senack.

1:45-2:00 PM

* **Strand A:** Empowering Through Education: Voyage's Mission to Support High School Students with Disabilities. Kaya Ceyhan, Cindy An, Abigail Dumm.
* **Strand B:** Access to the Analog: How Analog Astronaut Experiences are Becoming more Accessible. Dr. Sheri Wells-Jensen and others.

2:00-2:30 PM

* **Strand A:** Teaching Physics with Disabled Learners: A Review of the Literature. Dr. Erin Scanlon, Dr. Jacquelyn J. Chini.
* **Strand B:** Breaking Barriers: Empowering Accessibility in STEM. Zamir Dhale.

2:30-2:45 PM

**BREAK**

2:45-3:15 PM

* **Strand A:** Improving Access with 3D Printed Tactile Graphics. Michael Cantino.
* **Strand B:** The First-Ever Parastronaut Selections: A Candidate's Experience. Dr. Maria Elena Monzani.

3:15-3:45 PM

* **Strand A:** Making Connections to the National Research Agenda for STEM Education for Students with Visual Impairments by Creating a Biochemistry Lab Access Video Series. Caroline Karbowski, Emril Bennett.
* **Strand B:** Update from the MicroGravity Zone: What We Know About Disability and Zero Gravity. Dr. Sheri Wells-Jensen.

3:45-4:00 PM

**BREAK**

4:00-5:00 PM

**Keynote Speaker**: Lachi

Award-winning recording artist, GRAMMYs Board Governor, and Founder/CEO of RAMPD.org

5:00-5:15 PM

**Closing Remarks by SciAccess Director Anna Voelker**