SCIACCESS 2024 CONFERENCE SCHEDULE

FRIDAY, MAY 10TH

All times are in **Eastern Time (ET)**

	Strand A: Accessibility in STEM Outreach and Education	**Strand B:** Inclusive Design and Technology
9:00-9:15 AM	**Welcome Address** by SciAccess Director Anna Voelker	
9:15-9:45 (30)	The LightSound Project: Using Sonification to Observe a Solar Eclipse. **Allyson Bieryla**.	Automated Light Signaling - A Visual Warning for Gravity Changes on Parabolic Flights. **Brenda Williamson**.
9:45-10:00 (15)	A Touch of Space Weather – Exploring Multisensory Outreach. **Dr. Lenka Zychova, Dr. Stijn Calders**.	Culturally Responsive Makerspaces. **Jane Crayton**.
10:00-10:30 (30)	Considering the Unique Needs of Children in Accessibility Design. **Shana Hawrylchak, Dr. KT Todd**, **Dr. Susan Heilman**.	Bridging the Senses: Innovative Inclusive Notational Tools for Astronomy-Inspired Music Composition. **Exodus Chun-Long Sit**.
10:30-10:45 (15)	Reflections and Perspectives on Teaching an Assistive Technology Course. **David L. Jaffe**.	#Flipthepowerdynamic in Autism Research and Funding. **Dr. Shannan Palma**.
10:45-11:00 (15)	**BREAK**	
11:00-12:00	**Keynote Speaker**: Dr. Ashley Shew Disability Advocate, Author, and Associate Professor of Science, Technology, and Society.	
12:00-1:00	**LUNCH BREAK**	
1:00-1:15 (15)	**Special Session**: United States Agency for International Development (USAID)	

1:15-1:45 (30)	History and Reflections of the Entry Point! Program. **Laureen Summers**.	Disability Inclusion in Computer Science. **Dr. Brianna Blaser**.
1:45-2:00 (15)	**BREAK**	
2:00-2:15 (15)	Breaking Barriers: STEAM Pedagogy in Interdisciplinary Space Art Education. **Muhammad Rayan Khan, Jackie Burns**.	Integrating Neuroinclusive Pedagogy into Practice. **Dr. Andrew Buck, Anirudh Subramaniam**.
2:15-2:45 (30)	Making the "Touch the Universe" Tactile Exhibition Available at Any Museum in Japan. **Dr. Kumiko Usuda-Sato**.	Sines of Disability: A New Vision for Mathematics. **Dr. Lisette E. Torres, Dr. Daniel L. Reinholz**.
2:45-3:00 (15)	**BREAK**	
3:00-3:15 (15)	Creating Accessible Science Capital for Individuals with Disabilities in Science Museums. **Gabriela Sehnem Heck**.	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 (30)	3D Printing Programs at Schools for the Blind: What Has Worked and How We Are Collaborating to Create Solutions. **Caroline Karbowski**.	NASA's Neurodiversity Network: Lessons Learned. **Dr. Lynn Cominsky**.
3:45-4:00 (15)	**BREAK**	
4:00-5:00	**Keynote Speaker**: Dr. Chris Boshuizen Blue Origin Astronaut and Co-founder and CTO, Planet Labs.	
5:00-6:00	**Conference Social Hour** hosted by Alethea Martin	

SCIACCESS 2024 CONFERENCE SCHEDULE

SATURDAY, MAY 11TH

All times are in **Eastern Time (ET)**

	Strand A: Accessibility in STEM Outreach and Education	**Strand B:** Inclusive Design and Technology
9:00-9:15 AM	**Welcome Address** by Dr. John Beacom	
9:15-9:30 (15)	**Special Session:** Greetings from the South Pole	
9:30-10:00 (30)	The Textured Universe: 3D Printing Technology and Materials To Stimulate Interest in Science. **Dr. Carol Christian**.	Why Disclosure Doesn't Work. **Dr. Mahadeo Sukhai**.
10:00-10:30 (30)	3D Printing and Astronomy for Students with Visual Impairments: The STEM Career Exploration Lab. **Dr. Thomas Madura, Dr. Carol Christian, Dr. Tiffany Wild**.	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 (15)	**BREAK**	
10:45-11:15 (30)	Creation of Accessible Astronomical Dance-Theater Play: "Artificial Eclipse". **Erika Fabiola Labbé Waghorn**.	Universal Design Principles for Interviews in Science and Engineering. **Dr. Samuel M. Greene**.
11:15-11:30 (15)	STEAM Accessibility and Spaceship Earth: Possibilities and Paradigm Shifts. **Adrienne Provenzano**.	Welcome to the Neuroverse. **Jessica Schonhut-Stasik, Dave Thompson, Olivia Greene**.
11:30-12:00 (30)	Five Strategies for Improving Outcomes for Neurodivergent Learners. **Dr. Shannan Palma, Dr. Lena Furci**.	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 (30)	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.	The True Barriers to STEM. **Dr. Sharon McLennon Wier, Molly Senack**.
1:45-2:00 (15)	Empowering Through Education: Voyage's Mission to Support High School Students with Disabilities. **Kaya Ceyhan, Cindy An, Abigail Dumm**.	Access to the Analog: How Analog Astronaut Experiences are Becoming more Accessible. **Dr. Sheri Wells-Jensen** and others.
2:00-2:30 (30)	Teaching Physics with Disabled Learners: A Review of the Literature. **Dr. Erin Scanlon, Dr. Jacquelyn J. Chini**.	Breaking Barriers: Empowering Accessibility in STEM. **Zamir Dhale**.
2:30-2:45 (15)	**BREAK**	
2:45-3:15 (30)	Improving Access with 3D Printed Tactile Graphics. **Michael Cantino**.	The First-Ever Parastronaut Selections: A Candidate's Experience. **Dr. Maria Elena Monzani**.
3:15-3:45 (30)	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**.	Update from the MicroGravity Zone: What We Know About Disability and Zero Gravity. **Dr. Sheri Wells-Jensen**.
3:45-4:00 (15)	**BREAK**	
4:00-5:00	**Keynote Speaker**: Lachi Award-winning recording artist, GRAMMYs Board Governor, and Founder/CEO of RAMPD.org	
5:00-5:15	**Closing Remarks** by SciAccess Director Anna Voelker	