

# IPS 2024

## United Under the Sky

### Live Interactive Planetarium Symposium (LIPS) in Berlin July 21 2024

Time	Session title	Session description	
9:00 – 9:15 am	<b>Welcome and overview of the day</b>  Presenter: Karrie Berglund		Dome
9:15 – 10:00 am	<b>Preparing audiences to interact</b>  Presenter: Karrie Berglund	Many large planetariums these days play exclusively or primarily prerecorded content. This trend has primed many audiences to be passive viewers rather than active participants. What can we do to increase the level of audience participation from the very beginning of a program? We will look at ideas for wording of program descriptions on websites or brochures as well as strategies immediately before and during the planetarium presentation.	Dome
10:00 – 10:30 am	<b>Spacetronauts:live science shows under the dome</b>  Presenter: Oana Jones	Join in a presentation and discussion about running children's science shows directly in the dome. This presentation will include information about health and safety, logistics, examples and variations for repeat engagement, followed by a discussion of ideas and examples from the group.	Dome
10:30 am	Break		Lobby
11:00 – 11:45 am	<b>Accessible interactive presentations</b>  Presenters: Jacqueline Benitez and Mary Holt	Over the last year, the California Academy of Sciences staff have been working with the Dominican University of California occupational therapy graduate students who have assisted the planetarium team in making interactive presentations more accessible, especially for neurodiverse guests. We will present our key learning points, share some examples of types of questions to ask audiences, and how we created additional content beyond the presentation to facilitate engagement.	Dome
11:45 am – 12:15 pm	<b>Interactive multiplayer strategies to conquer the audience</b>	Teaching science in a dome will be more efficient if you involve everyone at the same time. Many experiences ranging from basic to complex have been developed in our dome or made by others.	Dome

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	Presenter: Lionel Ruiz	Some of these will be presented during the session: Astro Quiz; Asteroids360; Astro Memory; Guess Small 'n' Big; Lunar Rover Mistakes; Design a Mission; Scrambled Planets; Planet Landing.	
12:15 – 1:00 pm	Lunch		Lobby
1:00 – 1:45 pm	<b>The legacy of Alan Friedman</b>  Presenter: Alan Gould	Alan Friedman was a pioneer in developing and nurturing techniques of audience participation in the planetarium world. This brief session honors his legacy by looking at his career, his accomplishments, and sharing of audience participation strategies that he promoted. Positions he held included founding Director of The Lawrence Hall of Science Planetarium, Director of the New York Hall of Science, and IPS President. His philosophy was that a planetarium best serves audience by actively involving them in doing various creative things during a program.	Dome
1:45 – 2:15 pm	<b>Living well with our sun – NASA PUNCH outreach activities on ancient and modern sun watching</b>  Presenter: John Keller	In conjunction with Southwest Research Institute, Clark Planetarium, and the New Mexico Museum of Natural History and Science, Fiske Planetarium has developed interactive educational materials around ancient and modern sun watching in support of the NASA PUNCH (Polarimeter to UNify the Corona and Heliosphere) mission. We will share various PUNCH Outreach Products,  including Birthday Sunrises on a Chaco Canyon Horizon, Dancing up a Solar Storm, and a Solar Corona Inquiry for Blind and Low Vision Learners.	Dome
2:15 – 2:30 pm	Bio-break		
2:30 – 3:15 pm	<b>»Starball!«</b>  Presenters: John Kaufmann and Dan Dennis	»Starball« combines theater, improvisation, original music, cosmological inquiry, and an exploration of human consciousness into an entertaining performance that challenges audiences to deepen their understanding of the universe and its inhabitants, and reawaken their wonder for the sky.	Dome
3:15 – 3:45 pm	<b>Live theatre in the planetarium</b>	How can we use live theatre to engage and inspire planetarium audiences?	Dome

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	Presenters: John Kaufmann and Dan Dennis		
3:45 – 4:00 pm	<b>Wrap up and evaluations</b>		Dome