

IPS 2020 Virtual Conference Schedule

Friday, August 7

- 10:00 – 10:15 AM (Universal Time): **Introduction and Breakout Sessions**
- 10:20 – 10:35 AM (Universal Time): **Planetariums in Higher Education**
Panelists Include: Nickolas Conant, Daniel Everding, Briana Ingermann and John Keller
This panel focuses on educational opportunities around running a planetarium facility on a college campus. The session includes presentations on a) integration of problem-based learning into intro astronomy courses, b) use of whiteboards and other interactive strategies in a planetarium class, c) training undergraduate students as dome staff to run a planetarium facility, and d) results from survey, interview, and observation efforts to characterize higher education learning in IPS planetariums.
- 10:40 – 11:00 AM (Universal Time): **Aesthetics of the Planetarium Experience**
Panelists Include: Julieta Aguilera, Ka Chun Yu, Barry Perlus and Alexander Sivitilli
This panel brings together four different perspectives addressing the question of what are the aesthetic elements that define the planetarium experience, best practices that support those elements, the theoretical underpinnings of the aesthetic from an artistic viewpoint, and an immersive cultural heritage program that expands on this theory of art.
- 11:05 – 11:20 AM (Universal Time): **Digistar 7 First Look and more with new E&S+Spitz head Jeb Terry**
Presented by: Jeb Terry, Kevin Scott, Scott Huggins, Estelle Pacalon, JT Towne, Michael McConville
Hands-on with brand new Digistar 7 software features and a backstage look at E&S and Spitz developments
- 11:25 – 11:40 AM (Universal Time): **Community Building Strategies: Arts & Culture in the Planetarium**
Presenters Include: Steve Fentress, Mike Smail, Dayna Thompson and James Wetzel
Throughout this session, discover new and innovative ways to grow your audience and better connect with your community using case studies from a variety of planetaria.
- 11:45 – 11:55 AM (Universal Time): **Planetarium's Social Media**
Presented by Sabrina Müller
The use of social media by a planetarium is a wonderful way to raise awareness of the population to science news and curiosities.
- 12:00 – 12:45 PM (Universal Time): **IPS Anti-Racism Discussion Panel**
James Albury, Darryl Davis, Susan Murabana Owen, Derrick Pitts
Please join us for an important panel discussion on anti-racism and hear from Black planetarians on matters that affect us all.
- 12:45 – 1:05 PM (Universal Time): **BREAK**
- 1:05 – 1:10 PM (Universal Time): **Sky-Skan Collaborations**
- 1:15 – 1:35 PM (Universal Time): **OpenSpace: Frontier of Open Source Planetarium Software**
Presenters Include: Micah Acinapura, Alex Bock, Carter Emmart and Anders Ynnerman

OpenSpace is a NASA-funded open source software for realtime presentation of astrophysical and planetary data sets. This workshop will cover technical aspects of running OpenSpace on a broad range of display platforms and will review currently available data sets and content modules.

- 1:40 – 1:55 PM (Universal Time): **WorldWide Telescope in Planetariums**
Presented by: David Weigel
This workshop details how to use WWT in the dome for live presenting and creating visualizations. This workshop will be useful to both the never touched WWT user, the experienced WWT user, and everything in between. We will address various functionality within the software, real time control for live presentations, and quick video creation for flat screen / dome / vr playback.
- 2:00 – 2:05 PM (Universal Time): **ASTERION – the new ZEISS Starball for Hybrid Planetariums**
There is no longer a reason to do without a brilliant starry sky
- 2:10 – 2:40 PM (Universal Time): **Big Challenge: Covering all the bases in planetarium environmental design**
Presenters include: Tim Barry, Bill Chomik and Ian McLennan
Includes a discussion of Indoor Air Quality and Covid.
- 2:40 – 2:55 PM (Universal Time): **LED Domes: Why the future is bright, contrasted and colorful!**
Presenters Include: Bill Chomik, Kirk Johnson and Robin Sip
LED technology for domes has arrived sooner than expected. This paper/panel will introduce to planetarians how the characteristics of LED domes will revolutionize planetarium and dome theater displays.
- 3:00 – 3:05 PM (Universal Time): **Latest news from RSA Cosmos**
News about RSA Cosmos:
 - Konica Minolta Alliance
 - Latest installations
 - SkyExplorer 2021, presentation of some remarkable features
- 3:15 – 3:30 PM (Universal Time): **Immersive Audio**
Presenters Include: Tom Ammermann, Monica Bolles, Charles Morrow, Dan Neafus and Louis-Philippe St-Arnault
Experience and explore a range of immersive audio technologies with their makers and productions
- 3:30 – 4:30 PM (Universal Time): **BREAK**
- 4:30 – 4:45 PM (Universal Time): **Perspectives from History of Planetariums**
Presenters Include: Katie Boyce-Jacino, David DeVorkin and Pedro Raposo
In recent years research in history of planetariums has grown in scope and sophistication, with the topic being increasingly approached from broader cultural viewpoints. In this session, three historians will present case studies and insights from their work, and discuss some of the research methodologies, perspectives, and challenges that have shaped the field.
- 4:50 – 5:05 PM (Universal Time): **Vision2020 and IPS - The Endgame**
Presenters Include: Karrie Berglund, Ruth Coalson , Jon Elvert, Anna Green and Tom Kwasnitschka
In 2014 the Vision2020 Initiative was created specifically charged to alter the business as usual

attitude, and design a big picture vision of how IPS could become a modern, new IPS. Has V2020 succeeded?

- 5:10 – 5:15 PM (Universal Time): **Endurescreens: Micro-Perforated Panel Screens**
Micro-perforation takes the image quality to the next level.
- 5:20 – 5:50 PM (Universal Time): **Let's Have a Centennial!**
Presenters Include: Anna Green, Sharon Shanks, Mike Smail and Björn Voss
Planning activities for the centennial of the planetarium.
- 6:00 – 6:45 PM (Universal Time): **TWOSE Session, last session**
Join us for a very special conclusion to the conference as we take a virtual visit to the
TELUS WORLD of SCIENCE Edmonton.