

All events take place at the Miraikan—The National Museum of Emerging Science and Innovation unless otherwise noted. The full list of speakers and any schedule updates are available online at wcsfp.com and in the Congress app.

SESSIONS & EVENTS

MONDAY, DECEMBER 2

12:00 PM–6:30 PM

Registration Desk & Member Lounge Open

SPECIAL EXHIBIT ZONE A, 1ST FLOOR

1:00 PM–2:30 PM

Ideas Salon: Technology of Tomorrow

SATURN, 7TH FLOOR

We all know great productions begin with impassioned conversations. Pioneers on the cutting edge of some of the hottest topics in technology share the latest buzz in their respective fields during round-table discussions hosted by the presenters and producers of some of the world's top science programs.

Pre-registration required. Closed to media.

SESSION PRODUCERS

Denzel Dome, Knowledge and Creative Communities Producer, Wellcome (UK)

Maia Krall Fry, Head of Knowledge & Creative Communities, Wellcome (UK)

Close Encounters of the Funding Kind

Close Encounters are small group meetings with commissioning editors and media executives who either commission programs from independent producers outside their own territories or provide significant funding.

Access is first come, first served at the door. Media access by request.

SESSION PRODUCER

Stephanie McArthur, Industry Programs Manager, Hot Docs (Canada)

1:15 PM–1:45 PM

Close Encounters of the Funding Kind: ARTE Germany/ARTE G.E.I.E

VENUS, 7TH FLOOR

1:30 PM–2:30 PM

Meet the UK Broadcasters

MIRAikan HALL, 7TH FLOOR

Britain's top decision makers talk about one of the biggest factual markets on the planet and what they're looking for in content.

SESSION PRODUCER

Lucie Ridout, Executive Producer, Arrow Media (UK)

3:00 PM–3:30 PM

**Close Encounters of the Funding Kind:
ZDF****VENUS, 7TH FLOOR**

3:00 PM–4:00 PM

Getting to Know You**URANUS, 7TH FLOOR**

The essential guide for all first-time attendees: what to expect from Congress and how to get the most out of it! This is your chance to meet broadcasters, producers and distributors, hear success stories from past events, and learn valuable tips, tricks and tactics for getting the most out of the next few days.

SESSION PRODUCERS

Clare Birks, CEO, Oxford Scientific Films (UK)
Lucinda Axelsson, Executive Producer, Oxford Scientific Films (UK)

3:00 PM–4:30 PM

Ideas Salon: Biggest Breakthroughs**SATURN, 7TH FLOOR**

We all know great productions begin with impassioned conversations. Pioneers on the cutting edge of some of the hottest topics in technology share the latest buzz in their respective fields during round-table discussions hosted by the presenters and producers of some of the world's top science programs.

Pre-registration required. Closed to media.**SESSION PRODUCERS**

Denzel Dome, Knowledge and Creative Communities Producer, Wellcome (UK)
Maia Krall Fry, Head of Knowledge & Creative Communities, Wellcome (UK)

4:00 PM–4:30 PM

**Close Encounters of the Funding Kind:
NOVA****VENUS, 7TH FLOOR**

4:30 PM–5:30 PM

Micro Meeting: BBC**URANUS, 7TH FLOOR****Pre-registration is required**

4:30 PM–5:45 PM

Pitch Us! Open to the Public**MIRAIKAN HALL, 7TH FLOOR**

Museums and science centres from countries around the world, including Japan, present their future plans and reach out to factual producers for an entirely new type of content—the museum exhibit. This is an exciting matchmaking opportunity to collaborate. Don't miss out!

SESSION PRODUCERS

Yuri Sudo, Senior Producer, NHK (Japan)
Yuta Tanimura, Manager of Learning and Collaboration Development Division, Miraikan—The National Museum of Emerging Science and Innovation (Japan)

5:00 PM–5:30 PM

**Close Encounters of the Funding Kind:
Sandbox Films****VENUS, 7TH FLOOR**

5:45 PM–7:00 PM

Explore the Miraikan**CREATE YOUR FUTURE, EXPLORE THE FRONTIERS & DISCOVER YOUR EARTH ON 3RD & 5TH FLOORS**

Congress members have exclusive access to the permanent collection spaces at the Miraikan—The National Museum of Emerging Science and Innovation.

5:45 PM–7:00 PM

JNTO Regional Sake Tasting**VIEWING LOUNGE, 7TH FLOOR**

7:00 PM–9:00 PM

Congress '19 Opening Night Reception**SYMBOL ZONE, 1ST FLOOR**

As Tokyo prepares for the 2020 Olympics, the city continues to live up to its reputation as a hub for technological advancements and community.

Join friends, influencers and fellow creators as we celebrate the love of factual at the Miraikan, the home of the impressive Geo-Cosmos (the world's first globe-like display for the visualization of live scientific data—spanning six metres in diameter and made up of more than 10 million pixels!)

As we open Congress '19, the Geo-Cosmos, alongside a very special sake barrel ceremony, will kick off this year's event in style.

Hosted by NHK in partnership with the Miraikan.

TUESDAY, DECEMBER 3

8:00 AM–6:00 PM

Registration Desk & Member Lounge Open**SPECIAL EXHIBIT ZONE A, 1ST FLOOR**

9:00 AM–10:45 AM

What's the Buzz**SPECIAL EXHIBIT ZONE B, 1ST FLOOR**

Host Allie Sakakibara from Discovery Japan will take us on a round-the-world tour of the hottest and most innovative programs, latest trends and exciting new formats. Along the way get ready for some surprise guests and Tokyo twists to a session unlike any other you've seen before.

SESSION PRODUCERS

Yoko Imai, Executive Producer, NHK Enterprises (Japan)

Takehiro Asai, Executive Producer, NHK (Japan)

10:45 AM–11:15 AM

Break

Coffee & tea available in Special Exhibit Zone A.

Sponsored by TI ComNet

11:15 AM–11:45 AM

Close Encounters of the Funding Kind: CuriosityStream**MERCURY, 7TH FLOOR**

11:15 AM–12:30 PM

The Future Is Here: 2020**MIRAIKAN HALL, 7TH FLOOR**

Teams of high-profile panelists will reveal and defend the ideas, content and technology that they believe will create the biggest trends for 2020 and beyond. Scrutinized by you, the rival teams and moderator/inquisitor-in-chief Sam Barcroft, who will come up with the most accurate insights? We'll get it all on the record and find out at next year's Congress!

Sponsored by Underknown.

SESSION PRODUCERS

Sam Barcroft, CEO, Barcroft Studios (UK)

Dan Kendall, Creative Director, Windfall Films (UK)

11:15 AM–12:30 PM

Notre Dame: The Inside Story**SATURN, 7TH FLOOR**

The entire world watched in horror as one of France's greatest landmarks was almost destroyed by fire. We'll explore how several documentaries are using very different techniques—from incredible motion capture technology to exclusive access and docu-drama—to tell the story of Notre Dame's historic construction, its brush with disaster and the efforts to rebuild and restore.

SESSION PRODUCER

Fabrice Esteve, Producer, YUZU Productions (France)

11:15 AM–12:30 PM

8K Masterclass**URANUS, 7TH FLOOR**

Experienced 8K producers will discuss the unique opportunities and challenges of this impressive format, show the power of the imagery and share practical tips on how post-production can be just as affordable, easy and quick as 2K.

SESSION PRODUCER

Yuri Sudo, Senior Producer, NHK (Japan)

12:30 PM–2:00 PM

Lunch**SPECIAL EXHIBIT ZONE B, 1ST FLOOR**

12:30 PM–2:00 PM

**Micro Meeting: CSCA
(Chinese Science Communication
Association and Shih Hsin University)****JUPITER, 7TH FLOOR****Pre-registration is required**

12:45 PM–1:15 PM

**Close Encounters of the Funding Kind:
Tencent****VENUS, 7TH FLOOR**

1:00 PM–1:30 PM

**Close Encounters of the Funding Kind:
BBC****MERCURY, 7TH FLOOR**

1:30 PM–2:00 PM

Close Encounters of the Funding Kind: ARTE France

VENUS, 7TH FLOOR

2:00 PM–3:30 PM

An Inconvenient Disaster

MIRAikan HALL, 7TH FLOOR

Preparing the public for devastating natural events and communicating during emergencies is at the heart of every public broadcaster's mandate. But when does an inconvenient truth go from saving lives to causing mass panic? In the same week that NHK releases its most ambitious docu-drama ever on the impact of a massive earthquake, we'll explore how to leverage media to tell stories of impending disaster and strike a responsible balance.

SESSION PRODUCER

Takahiro Hamano, Senior Producer, NHK (Japan)

2:00 PM–3:15 PM

WTF Is Your Digital Strategy?

SATURN, 7TH FLOOR

You've got great ideas. Now what? There are more digital platforms than ever before, but the landscape can seem cluttered and confusing. We'll sort through the muddle and explore the opportunities and the pitfalls to create premium content with the help of successful producers and input from the digital platforms themselves.

SESSION PRODUCER

Alex Hryniewicz, Head of Owned Channels, Little Dot Studios (UK)

2:00 PM–3:15 PM

Crossing the Divide

URANUS, 7TH FLOOR

Called "eye-popping" and "essential viewing," the award-winning feature documentary *Human Nature* explores some of the biggest controversies surrounding genetic engineering and the revolutionary technology known as CRISPR. The story of the film's production is just as fascinating. Hear how a filmmaker with no science background and a PhD cell biologist with no filmmaking experience worked side by side with the aim of revolutionizing how science programs are made.

SESSION PRODUCERS

Adam Bolt, Filmmaker, Wonder Collaborative (USA)

Sarah Goodwin, Executive Director, Wonder Collaborative (USA)

3:30 PM–4:00 PM

Break

Coffee & tea available in Special Exhibit Zone A

4:00 PM–5:00 PM

Spark of Inspiration: The Robot Master

MIRAikan HALL, 7TH FLOOR

The remarkable achievements of leading Japanese roboticist Hiroshi Ishiguro have made headlines around the world and led to significant progress in creating lifelike robots that can live and work with humans. He's even created a robot in his own image. In this exclusive presentation, Professor Ishiguro will discuss his latest research and predict how we will interact with robots in our homes of the future.

SESSION PRODUCER

Naoto Kamimura, enjin productions (Japan)

4:00 PM–5:00 PM

Co-Producing with China

SATURN, 7TH FLOOR

Executives from some of China's leading media organizations will tell you everything you need to know about international co-production opportunities as we look at some of the country's best documentaries from the past year with the help of FreshPitch, an international documentary forum held annually in Suzhou Province.

SESSION PRODUCER

Long Xiao, Co-Founder, FreshPitch Factual Content Conference (China)

4:00 PM–5:15 PM

Big Screen Storytelling: A Dome Masterclass

DOMES THEATER (ENTRANCE ON 6TH FLOOR)

Immerse yourself in the latest technology at the Miraikan's dome theater and find out from international experts how to produce stunning programming for one of the fastest growing new big-screen platforms.

SESSION PRODUCER

Mark Atkin, Director, Crossover Labs (UK)

4:30 PM–5:30 PM

Micro Meeting: France Télévisions

JUPITER, 7TH FLOOR**Pre-registration is required**

4:30 PM–5:30 PM

Speed Dating

SPECIAL EXHIBIT ZONE B, 1ST FLOOR

Speed Dating is a great way for independent producers to have a one-on-one chat with decision makers to whom they wouldn't otherwise have easy access. We do some matchmaking and decision makers pre-select projects of interest—but they won't know who they came from until their face-to-face meeting.

Pre-registration required. Closed to media.**SESSION PRODUCER**

Madelaine Russo, Industry Programmer, Hot Docs (Canada)

7:00 PM–10:00 PM

Garden Party

LOCATION: HAPPO-EN, 1 CHOME-1-1 SHIROKANEDAI, MINATO CITY, TOKYO

Spend an evening celebrating Japanese culture at Happon-en, an exquisite garden oasis located in the heart of Tokyo. Explore the beautiful grounds, enjoy delicious Japanese cuisine and experience the peaceful nature of this early 17th century Japanese garden.

Shuttle buses depart from the Miraikan at 6:00 PM and will return to the Grand Nikko starting at 9:30 PM. Part of this event is outdoors; please dress accordingly.

Hosted by NHK in partnership with the Tokyo Convention & Visitors Bureau.

WEDNESDAY, DECEMBER 4

8:30 AM–6:00 PM

Registration Desk & Member Lounge Open**SPECIAL EXHIBIT ZONE A, 1ST FLOOR**

9:00 AM–10:15 AM

Millennials Rising—The Sequel**MIRAikan HALL, 7TH FLOOR**

Back by popular demand, we once again turn the tables on our top network executives as they pitch and sell their best shows to a panel of millennial YouTubers who challenge their perceptions and misconceptions. Let's find out just how in-tune our decision makers are in appealing to millennials.

SESSION PRODUCERS

Judy Rymer, Producer/Director, Rymer Childs (Australia)

Grace Simmons, Production Assistant, Rymer Childs (Australia)

9:00 AM–10:15 AM

AI, Deepfakes & What Every Producer Needs to Know**SATURN, 7TH FLOOR**

Artificial intelligence holds great promise for program makers, but it has also brought us "deepfakes" that try to deceive audiences through altered images and sounds. As gatekeepers of the truth, how do we stay ahead of these increasingly sophisticated scams to deceive and misinform? We'll take a look at the peril and promise of AI with examples of how the new tech is a game-changer...for better and for worse.

SESSION PRODUCER

Ed Hersh, Founder & Principal, StoryCentric (USA)

9:00 AM–10:15 AM

Pompeii—Bringing History to Life: A Masterclass**URANUS, 7TH FLOOR**

Italian archaeologists are excavating ancient Pompeii, uncovering murals, mosaics and those who didn't escape the 79 AD eruption. For over a year, Gedeon Media Group has been filming what is sure to be a mega hit. But are overnight ratings enough? In this masterclass on *Pompeii Rising*, we explore the whole story of turning this doc into a museum exhibition.

SESSION PRODUCER

Steve Burns, Founder & EP, Roller Coaster Road Productions (USA)

10:15 AM–10:45 AM

Break

Coffee & tea available in Special Exhibit Zone A

10:30 AM–11:00 AM

Close Encounters of the Funding Kind: NHK**MERCURY, 7TH FLOOR**

10:45 AM–12:00 PM

Can We Save the Planet?**MIRAIKAN HALL, 7TH FLOOR**

The planet is in meltdown: mass extinction, deforestation, diminishing fresh water supplies and catastrophic climate change. We've known for over 25 years, yet half the world is still in denial and decades of science programming appear to have made little difference. To see if we're doing any better, our panelists will present the strategies and content they believe will reach hearts and minds and change behaviours.

Sponsored by PBS, PBS International and NOVA.

SESSION PRODUCER

Clare Birks, CEO, Oxford Scientific Films (UK)

Alison Leigh, Senior Consultant, WCSFP (Australia)

10:45 AM–12:00 PM

How to Game Your Audience**SATURN, 7TH FLOOR**

With projected worldwide revenues of \$150 billion this year, the interactive gaming industry has rapidly grown from a niche audience to mainstream culture and become the latest significant competitor for screen time and viewers. Take a look at how factual and educational producers are creating new forms of programming and how it's changing the way people consume media.

SESSION PRODUCER

Adam Rymer, CEO, Omnilash, Inc. (USA)

10:45 AM–12:00 PM

From Mirrors to Movers**URANUS, 7TH FLOOR**

How can factual storytellers benefit from an emerging movement called Constructive or Open Journalism? Find out how producers are telling stories in a new way: focusing on solutions rather than dwelling on conflict and problems—a traditional approach that's been blamed for creating cynical consumers who feel helpless to make change. Learn how you can go from trying to mirror the world to moving it forward in this fascinating, cutting-edge session.

SESSION PRODUCER

Ken MacDonald, Consultant, Underknown (Canada)

12:00 PM–1:30 PM

Lunch**SPECIAL EXHIBIT ZONE B, 1ST FLOOR**

12:15 PM–12:45 PM

Close Encounters of the Funding Kind: SBS**VENUS, 7TH FLOOR**

12:00 PM–1:00 PM

Micro Meeting: NHK**JUPITER, 7TH FLOOR****Pre-registration is required**

1:00 PM–1:30 PM

Close Encounters of the Funding Kind: France Télévisions**MERCURY, 7TH FLOOR**

1:15 PM–1:45 PM

Close Encounters of the Funding Kind: Blue Ant Media

VENUS, 7TH FLOOR

1:30 PM–2:30 PM

Is Drama the Death of Natural History?

MIRAIKAN HALL, 7TH FLOOR

Blending drama with real documentary footage is the newest trend in natural history, but where does it leave the genre? Are we in danger of pushing the boundaries so far that the traditional natural history program has become too boring to watch? We'll explore how the drive to tell an emotional story and boost ratings is blurring the lines between fact and fiction and debate how far we can go.

SESSION PRODUCERS

Emily Baustien, Development Manager, Discovery, Inc. (USA)

Lucinda Axelsson, Executive Producer, Oxford Scientific Films (UK)

1:30 PM–2:30 PM

Revising History: Myth vs. Reality

SATURN, 7TH FLOOR

The images that shape our understanding of history are always subject to rethinking and further interpretation. Using some of the biggest events of the late 20th century—Woodstock, the moon landing and Tiananmen—we'll explore how memory and personal testimony take truth beyond the facts and how innovative documentary techniques impact the retelling of history.

SESSION PRODUCER

Tom Koch, Vice President, PBS International (USA)

1:30 PM–2:30 PM

Seeing Is Believing

URANUS, 7TH FLOOR

Producers and scientists are finding extraordinary new ways to transform massive amounts of raw data into bold, innovative science stories. From streaming live from the surface of an asteroid, to seeing the world through the eyes of a poison dart frog, find out how the impossible is becoming possible and the invisible is becoming visible.

SESSION PRODUCERS

Joy Ng, Producer, NASA's Goddard Space Flight Center (USA)

Kate Pappas, Creative Producer, Wilding Productions (Australia)

2:00 PM–2:30 PM

Close Encounters of the Funding Kind: Science Channel

MERCURY, 7TH FLOOR

2:45 PM–3:45 PM

Future of History

MIRAIKAN HALL, 7TH FLOOR

An inside look at how programmers and producers are attracting a new generation of audiences to history programming.

SESSION PRODUCER

Jens Afflerbach, Creative Director, Story House Media Group (Germany)

2:45 PM–3:45 PM

Why Space Is Hot

SATURN, 7TH FLOOR

We all thought we knew the Apollo 11 story. But imaginative storytelling techniques and access to previously unknown and secret recordings have brought fresh insights and surprises to a momentous historical event and revitalized an entire genre with new landmark series and eye-popping theatrical documentaries. Take an interstellar journey to find out why the universe is bigger and better than ever.

SESSION PRODUCER

Jonathan Hewes, CEO, Pioneer Productions (UK)

2:45 PM–3:45 PM

Inside the Wild World of Japanese TV

URANUS, 7TH FLOOR

Japanese television has an international reputation for its sometimes bizarre and wacky game show formats. But the intense competition to grab viewers away from drama and sports isn't restricted to game shows. Factual entertainment programs have some incredible success stories as well. In this session, discover some of the newest and most successful formats in Japan and explore the survival strategies behind them. Prepare to be amazed!

SESSION PRODUCERS

Yuri Sudo, Senior Producer, NHK (Japan)**Sayumi Horie**, Executive Producer, Global Content Development Division, NHK (Japan)

3:45 PM–4:15 PM

Break

Coffee & tea available in Special Exhibit Zone A

4:15 PM–5:15 PM

Godzilla Meets Congress

MIRAIKAN HALL, 7TH FLOOR

Since the 1950s, Japan's most famous monster has starred in movies, video games, television series, books and comics. And now Godzilla, king of the lizards, can claim another victory: the focus of a research paper in a prestigious journal! We'll explore the evolutionary biology of Godzilla and how it reflects changes in science, politics, the environment and our own social anxieties. We might even have a surprise visit from the monster himself.

SESSION PRODUCER

Ruth Berry, Consultant, Terra Mater Factual Studios (Austria)

4:15 PM–5:15 PM

Mission Critical: Breaking Science & Secret Data

SATURN, 7TH FLOOR

How do you make a film about a scientific discovery when the science has to remain top secret until release? In 2019, two remarkable films did this in very different ways. One was about capturing the world's first image of a black hole, and the other about the discovery of a massive post-asteroid-apocalypse trove of mammal fossils. Come learn what it takes to make a film about breaking science—under severe editorial, production, distribution and embargo constraints—direct from the filmmakers who lived to tell the tale.

Sponsored by HHMI Tangled Bank Studios.

SESSION PRODUCERS

Anne Tarrant, Managing Director, HHMI Tangled Bank Studios (USA)**John Rubin**, Executive Producer, HHMI Tangled Bank Studios (USA)

4:15 PM–5:15 PM

Who's Not Watching & Why

URANUS, 7TH FLOOR

It's no secret that factual programming often skews heavily male—but why? With original research and audience feedback, we'll find out what's really going on and gain some insights on how to create science and history content that attracts audiences we might be missing.

SESSION PRODUCERS

Samantha Yammine, Science Communicator (Canada)

Andrew Nisker, Founder, Take Action Films (Canada)

Jessica Mudry, Professor, Ryerson University (Canada)

4:30 PM–5:30 PM

Micro Meeting: CICC

JUPITER, 7TH FLOOR**Pre-registration is required**

4:30 PM–5:30 PM

Speed Dating

SPECIAL EXHIBIT ZONE B, 1ST FLOOR

Speed Dating is a great way for independent producers to have a one-on-one chat with decision makers to whom they wouldn't otherwise have easy access. We do some matchmaking and decision makers pre-select projects of interest—but they won't know who they came from until their face-to-face meeting.

Pre-registration required. Closed to media.

SESSION PRODUCER

Madelaine Russo, Industry Programmer, Hot Docs (Canada)

THURSDAY, DECEMBER 5

9:00 AM–2:30 PM

Registration Desk & Member Lounge Open

SPECIAL EXHIBIT ZONE A, 1ST FLOOR

9:30 AM–10:30 AM

Whose Truth Is It Anyway?

MIRAikan HALL, 7TH FLOOR

In our post-truth era, are all points of view valid and up for discussion? A global study reveals that trust in science varies drastically around the globe. What role do factual producers play in shaping this public opinion? Do we have the right to shape it? Join us for a unique debate where you might have to defend a perspective you disagree with.

SESSION PRODUCER

Jenna Al-Ansari, Knowledge and Creative Communities Producer, Wellcome (UK)

Maia Krall Fry, Head of Knowledge & Creative Communities, Wellcome (UK)

9:30 AM–10:30 AM

Killer Ratings: Why Crime Pays

SATURN, 7TH FLOOR

It's one of the most successful factual genres ever created. From streaming services to podcasts and entire networks dedicated entirely to crime, it seems viewers can't get enough. We delve into the mystery behind the popularity and examine the most innovative breakthrough trends in a genre that just keeps growing.

SESSION PRODUCER

Dinah Lord, Co-Founder & Managing Director, Caravan Media (UK)

10:30 AM–11:00 AM

**Close Encounters of the Funding Kind:
Channel 4****MERCURY, 7TH FLOOR**

10:30 AM–11:00 AM

Break

Coffee & tea available in Special Exhibit Zone A

11:00 AM–12:00 PM

Inspire Me!**MIRAIKAN HALL, 7TH FLOOR**

A fun and free-wheeling creative session that explores the roots of the very best in factual content: inspiration! If you're looking to rejuvenate, re-energize or reboot, then this will be an essential escape before heading back to the day-to-day realities of the office.

SESSION PRODUCER

Emma Parkins, Executive Producer, Alleycats Films (UK)

11:15 AM–11:45 AM

**Close Encounters of the Funding Kind:
NDR****VENUS, 7TH FLOOR**

12:00 PM–1:15 PM

Lunch**SPECIAL EXHIBIT ZONE A, 1ST FLOOR**

12:15 PM–12:45 PM

**Close Encounters of the Funding Kind:
National Geographic****VENUS, 7TH FLOOR**

1:15 PM–2:15 PM

Spark of Inspiration: Queer Nature**MIRAIKAN HALL, 7TH FLOOR**

Brigitte Baptiste is an inspiring Colombian scientist with an everlasting passion for diversity in all its beauty: in nature, society and her research. A charismatic speaker and LGBTQ activist, Brigitte was recently appointed rector of EAN University in Bogotá and previously was director of the Alexander von Humboldt Biological Resources Research Institute for a decade. In this talk, Brigitte explores the connection between how humans and other species build their gender identity. Join Brigitte on her journey as we get inspired by sexual diversity and biodiversity—because nothing is more queer than nature!

SESSION PRODUCER

Gastón Chedufau, Executive Producer, LAS MINAS SmartMedia (Chile)

2:30 PM–3:15 PM

Science in 60 Seconds *Open to the Public***SATURN, 7TH FLOOR**

Watch the winning videos from our one-minute science contest and see who takes the grand prize.

SESSION PRODUCER

Matthew Shribman, Scientist/Environmentalist/Musician (UK)

3:30 PM–4:30 PM

Members Plenary**SATURN, 7TH FLOOR**

Members are invited to join the WCSFP Board of Directors to contribute ideas and feedback and find out about future plans.

IMMERSIVE PROGRAMMING

DOME THEATER SCREENINGS

DOME THEATER (ENTRANCE ON 6TH FLOOR)

Surround yourself with stunning images at Dome Theater screenings throughout Congress '19.

Additional museum Dome screenings are available to WCSFP members. Info and tickets available free of charge on the 3rd floor.

MON, DEC 2, 12:30 PM–1:00 PM

NINJABOYS: Quest for the Cosmic Front, Episode 1: Friends in the Solar System

D: Haruna Kimura, NHK, Japan

Three ninja friends from a popular Japanese anime show embark on an adventure into space and find out about the cosmos! This fun science show features spectacular space images recreated with 4K CGI using the latest astronomical data.

TUE, DEC 3, 11:15 AM–12:00 PM

Mars 1001

P: Robin Sip and Mirage3D, with Evans & Sutherland Corporation

Space reporter Miles O'Brien guides you through the first human mission to Mars—a daring 1,000-day mission to fly an international crew to the red planet and return them safely to Earth.

TUE, DEC 3, 12:15 PM–1:00 PM

Cosmic Front, Episode 2: Time Travel

D: Pascal Roulin, NHK, Japan

All aboard our spacecraft. Join our time travel. Fantasy? Yes and no. If we were able to control time and space, we may be able to travel beyond them.

TUE, DEC 3, 1:15 PM–2:00 PM

Cosmic Front, Episode 3: Dark Matter

D: Kentaro Tamura, NHK, Japan

What exactly is dark matter? Investigate the big question by looking at the latest research and theories. The universe is full of marvels.

TUE, DEC 3, 2:15 PM–3:00 PM

Whale Superhighway

D: Julia Redwood, Prospero Productions, Australia

Follow humpback whales on their migration from the top of western Australia to Antarctica and back again—one of the longest migrations on the planet.

TUE, DEC 3, 5:30 PM–6:00 PM

Vestige

D: Aaron Bradbury, NSC Creative, UK

This award-winning, creative documentary takes us on a journey into the mind of Lisa as she remembers her lost love, Erik, revealing the complex world of memory and grief.

Screening with

Noesis

Miraikan

Contemporary artworks inspired by the laws of nature and cosmology, and visualizations of scientific and philosophical concepts scored with original music, suggest new possibilities for Dome Theater as an art space.

WED, DEC 4, 9:30 AM–10:10 AM

Ningaloo: Australia's Other Great Reef

D: Russell Vines, Prospero Productions, Australia

Join marine scientist Anna Cresswell on a voyage through one of the world's most complex ecosystems to witness the annual mass coral spawning: the greatest reproductive show on Earth.

WED, DEC 4, 12:30 PM–1:00 PM

We Are Stars

D: Max Crow, NSC Creative UK

What are we made of? Where did it all come from? Explore the secrets of our cosmic chemistry and our explosive origins. Narrated by Andy Serkis, *We Are Stars* is the world's first science documentary designed and created for both VR headsets and immersive dome screens.

THU, DEC 5, 9:30 AM–10:10 AM

Capturing the Universe

D: Takumi Hisaizumi, NHK, Japan

"I want to catch a star." A young physicist pursues his childhood dream and endeavours to reveal the unknown structures of archaeological sites using cosmic ray detectors.

Screening with

Kabuki Dance: Feeling as if in a Dream

D: Isao Nishigori, NHK Enterprises, Inc., NHK Technologies, Inc., Japan

This one-of-a-kind music video features Kabuki, a traditional Japanese form of theatre. Popular young Kabuki actor Ukon Onoe dances "Tomoyakko" and "Fujimusume," which make you feel as if you are in a dream.

THU, DEC 5, 12:30 PM–1:00 PM

CapCom Go! The Apollo Story

D: Max Crow, NSC Creative, UK

An immersive historical documentary that showcases the achievements of the Apollo program and what it took to put the first human on the Moon.

HEADSET VR

DOME THEATER LOBBY, 7TH FLOOR

Enjoy a selection of VR experiences.

MON, DEC 2, 12:45 PM–6:00 PM

TUE, DEC 3, 11:15 AM–5:00 PM

WED, DEC 4, 9:00 AM–5:00 PM

THU, DEC 5, 9:30 AM–2:00 PM

Age-Old Cities VR

Ubisoft, France

Journey from Palmyra to Mosul to visit six iconic monuments. Walk through the ancient sites and feel the splendour of places that are our global duty to preserve.

The Antarctica Experience

Whitespark Productions, Australia

Experience a day in the life of Antarctic scientists as they research this mysterious continent.

Capturing the Universe

D: Takumi Hisaizumi, NHK, Japan

"I want to catch a star." A young physicist pursues his childhood dream and endeavours to reveal the unknown structures of archaeological sites using cosmic ray detectors.

Discovery Tour: Ancient Greece

Ubisoft, France

Embark on any of 30 guided tours of Ancient Greece, curated by historians and led by charismatic characters, in the educational mode of *Assassin's Creed Odyssey*.

Fukushima, the Evacuation Area

NHK, Japan

Some areas of Fukushima remain off limits due to radioactive contamination, but this experience gives you access to the neighbourhood, the nature and what was left behind.

Hiroshima's Dome

NHK, Japan

A survivor tells their story about the atomic bomb that destroyed Hiroshima 74 years ago.

Inside Tumucumaque

D: Ina Krüger, Patrik de Jong, Interactive Media Foundation, Germany

Travel to Tumucumaque, in the midst of the Brazilian rainforest, to explore more than 400 hectares of virtual rainforest filled with authentic plants, exotic animals and a diverse landscape.

Move On Cycling VR, Fly Over Pompeii Ruins

D: Takumi Hisaizumi, NHK, Japan

Take a bike tour to Pompeii and enjoy an aerial view of the ancient Roman city. You choose the route and an audio guide provides historical insights.

Notre Dame VR Experience

Ubisoft, France

Discover, or rediscover, this architectural jewel that has been closed to the public since the dramatic fire of April 2019 in this virtual tour, based on the 3D model developed for the game *Assassin's Creed Unity*.

We Are Stars

NSC Creative, UK

Connect life on Earth to the evolution of the universe, in this companion piece to Wednesday's Dome screening.

TUTANKHAMEN ROOM SCALE VR

IMMERSIVE STUDIO, 7TH FLOOR

King Tutankhamen's tomb awaits your visit. Wear the headset, walk around the room scaled as large as the actual tomb in Egypt, and discover the details of the artifacts. Produced by NHK, Japan.

TUE, DEC 3, 11:15 AM–5:00 PM

WED, DEC 4, 10:30 AM–3:45 PM

DOLBY VISION™ AND DOLBY ATMOS®

IMMERSIVE STUDIO, 7TH FLOOR

Experience the astonishing image and sound quality made possible with Dolby Vision™ and Dolby Atmos® audio system.

MON, DEC 2, 1:00 PM–6:00 PM

TUE, DEC 3, 11:15 AM–6:00 PM

WED, DEC 4, 10:30 AM–5:30 PM

THU, DEC 5, 9:30 AM–2:00 PM

8K & 8K:VR

INNOVATION HALL, 7TH FLOOR

Come experience 8K like you've never seen it before. Thanks to NHK, this is an opportunity to not just experience 8K but 8K in virtual reality!

MON, DEC 2, 2:00 PM–5:30 PM

TUE, DEC 3, 11:30 AM–5:00 PM

WED, DEC 4, 9:00 AM–5:30 PM

THU, DEC 5, 9:00 AM–4:00 PM

8K: Compilation film (40 min)

This showcase of NHK's latest 8K films offers a new way of storytelling, creating the ultimate immersive viewing experience. Enjoy a sky-high view of the Tibetan Plateau in magnificently brilliant colours or dive into the crystalline waters of Mexican cenote caves. See how these ultra-high-definition images can unlock the Mayan mystery of a lost jade mask or tell the epic story of Okavango in its full aesthetic glory through the eyes of Indigenous river people.

8K:VR: Aoi–Sakanaction

The world's first content for 8K:VR theatre, *Aoi–Sakanaction* presents a live performance by Japanese band Sakanaction (complete with extravagant laser show) that makes it feel like the band is in front of you without the use of head-mounted display.

8K:VR: Tokyo Victory

Created in 2016, *Tokyo Victory* was the world's first 8K motion ride, which takes viewers on a tour of the Tokyo skyline to the soundtrack of Southern All Stars' hit song "Tokyo Victory." Produced by NHK Enterprises and NHK Technologies, with Recocho Lab and WONDER VISION TECHNO LABORATORY.

8K:VR: Alice and the World of Sorrow

This story of a girl escaping Tokyo and the complexities of society illustrates the possibilities for immersive environments as ultra-high-definition entertainment. Created in 2018, the project was presented at Ars Electronica Festival as part of Beyond the Frame: 8K Future Projects, a joint research project between the Ars Electronica Futurelab and NHK.

8K:VR Starry Skies in the Uyuni Salt Flat

When the wind stops, the surface of the salt flat turns into a glassy mirror, reflecting the stars and the galaxy. This 8K:VR version will take you on the lake and surround you with stars from ceiling to floor.

NHK LABS & FUJI TV

NEPTUNE, 7TH FLOOR

Japan has an impressive reputation for leading the development of new ways to experience content. Come see the creativity, innovation and ingenuity for yourself.

TUE, DEC 3, 11:15 AM–5:00 PM

WED, DEC 4, 10:30 AM–5:00 PM

Diorama Stadium, a cloud-based AR platform

Fuji TV, Japan

This cloud-based advanced modeling platform for watching live sports with augmented reality combines video telecasts and internet technologies to allow you to choose your favourite viewing angles.

Integral 3D Video with Eye-Tracking System

NHK Labs, Japan

From the latest research by the NHK Science and Technology Research Laboratories, this integral 3D display with eye-tracking system makes it possible to view natural 3D images without using special glasses.

Haptic Interfaces for Physically Experiencing Sports Games

NHK Labs, Japan

Come play volleyball, not just visually but physically. This sensory system uses haptic interfaces so you experience vibrations that reflect the impact and timing of hitting the ball.

8K INTERACTIVE VIEWER: THE APOLLO'S MOON LANDINGS

NHK Educational Corp

The 8K interactive viewer is an innovative system that connects an 8K monitor and an iPad to stimulate audience curiosity. View this historical event like you have never seen it before.

SPECIAL EXHIBIT ZONE A, 1ST FLOOR

MON, DEC 2, 12:00 PM–6:30 PM

TUE, DEC 3, 8:00 AM–6:00 PM

WED, DEC 4, 8:30 AM–6:00 PM

THU, DEC 5, 9:00 AM–2:30 PM