2021 ILDA AWARDS

The world's best laser shows as judged by their peers

Cover photo
"Bronzed" by Theo Petrides
First Place, Laser Photography, 2021
(Center section enlarged to fill vertical format)

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ILDA requires its Members to perform safe and legal laser shows. **All Members submitting ILDA Award entry videos have explicitly certified that the laser effects depicted meet safety standards, as well as all applicable laser safety laws and regulations** (including laws for audience scanning) in the location where the show was performed.

- Entries filmed in a studio, with no audience, can use any power and can scan anywhere, even if the original show was intended for an audience.
- However, if the video depicts an audience watching the laser show, or has lasers near performers, then the show must be safe for the audience and performers, and must comply with all applicable laws and regulations.

ILDA Awards safety review

In addition to entrant statements, ILDA reviews every entry for any potential safety issues. **ILDA has the right to remove or disqualify an entry if, in our opinion, the show violates or appears to violate safety standards, laws and/or regulations.**

Note that despite ILDA's review process, ILDA cannot absolutely certify that an Awards entry is safe and legal. This is ultimately the responsibility of the entrant.

If you have a laser or a laser projector, do NOT attempt to perform the type of audience-scanning effects seen in ILDA Award-winning videos 1) without qualified expert safety planning and supervision and 2) without prior written permission from the appropriate authorities. These authorities may include federal, state and local laser safety regulators, venue operators, and insurance companies.

Artistic Awards

Judging was done in June 2021 via online viewing and voting. Judges were Abdulwahab Baghdadi, Christine Bernat, Brad Billet, Jason Creager, Mike Dunn, Olga Eser, Derek Garbos, Tobias Gebuhr, Christine Jenkin, Seb Lee-Delisle, David Kumpula, Theo Petrides, L. Michael Roberts, Marc Rubin, Jose Sala, Merlin Schaadt, Markus Steblei, and Alexander Timofeev. Judging coordinator was Awards Committee Chair Richard Gonsalves.

Together they judged 168 video entries from 36 ILDA Members. There were 47 winning entries, from 20 different ILDA Members

Note that for each of the artistic award entry categories, there were three judges. However, these were not always the same three people. A person is not allowed to judge any category in which they had an entry, which is why there are multiple persons serving as judges.

Laser Photography and Career Achievement Award

Thirty-four Laser Photography entries were judged by ILDA Members voting online, June 25 - July 3, 2021.

Career Achievement Award

Six nominees were presented to ILDA Members, who voted online June 25 - July 3, 2021.

Fenning Technical Awards (standard and IDN)

Technical entries were judged via online discussion of a three-member panel that concluded June 27, 2021. Judges Paul Clark, Horacio Pugliese, Paulo Cesar Saito, and Michael Sollinger evaluated five entries from three ILDA Members.

Laser Jockey

Judged by attendees watching the Laser Jockey performances streamed live during the online ILDA Cloud Conference, November 6, 2021.

3

Third Place - Corporate Show

Genova College Laser Mapping
Dynamic FX

*Shane Martz - Programmer; Pieterjan Ruysch - Designer and
    programmer*
Music: Unknown. Mix provided by client.

The show was for college students in upstate New York to celebrate
the winter season. This show was performed in subzero temperatures,
and posed challenges just to have gear perform properly. We mapped
the historic buildings and programmed many effects in record time to
achieve this show.

2

Hockey vs Virus
Orion-Art Multimedia

*Kirill Nikitochkin , art director & laser graphics designer;
    Taras Viter, technical director.*

*Music: Don Davis, "Neodammerung"; Immediate Music, "Call in The B
    Team"; William Stromberg & John Morgan,"The Hood Device".*

The *Moscow Mayor's Cup of Hockey* was held as one of the first
permitted spectator sports events in August 2020 after strong
restrictions according to COVID-19 pandemic. The fight of Sports
against the Virus is the main idea of the pre-game laser show at the
opening of the competition.

1

New Years Ice Castle
Dreamlaser

Project manager: Romanova Anna; Art director: Soboleva Alice; Laser designers: Savelyeva Olga, Likhachev Maxim; Technical crew: Boguk Ilya, Kozin Alexey, Tugov Alexander, Kornilov Vadim, Chaika Dmitry.
Music: Audiojungle

During the New Year holidays, we transformed the ancient building into a fairy-tale ice castle. The main task was to attract the viewer's attention to the reconstructed architectural object of cultural heritage. The building has a complex architecture, so we had to draw many details and set up the lasers as accurately as possible. That's why we carried out laser scanning and then created a 3D model of the building from a cloud of points. The big challenge for us was working remotely in a pandemic environment. In a limited deadline we worked harmoniously to create a unique representation.

3

Third Place - Live TV Show

Americas Got Talent 2020
ER Productions

Laser Design, Programmer and Operator: Lawrence Wright
Music: One Republic, "Lose Somebody"

America's Got Talent's Cristina Rae performed "Lose Somebody" alongside Ryan Tedder of One Republic. Gentle, soft laser programming was the perfect backdrop to the vocally superior performance.

2

Anton Ewald – Melodifestivalen
Laserimage AB

Programming & operator Love Karlsson; Laser Tech & Laser Safety Officer, Johan Lindell;

Music: Anton Ewald, "New Religion"

Melodifestivalen is a Swedish music competition where the winner gets to represent the country in Eurovision Song Contest. The creative director wanted to make this song a high intensity performance with laser and dancers in the centre of attention. They wanted to have a lot of static looks and lasers that not only gave room for the dancing but also follow different dance steps to make them more powerful.

1

Britains Got Talent Finals 2020
ER Productions
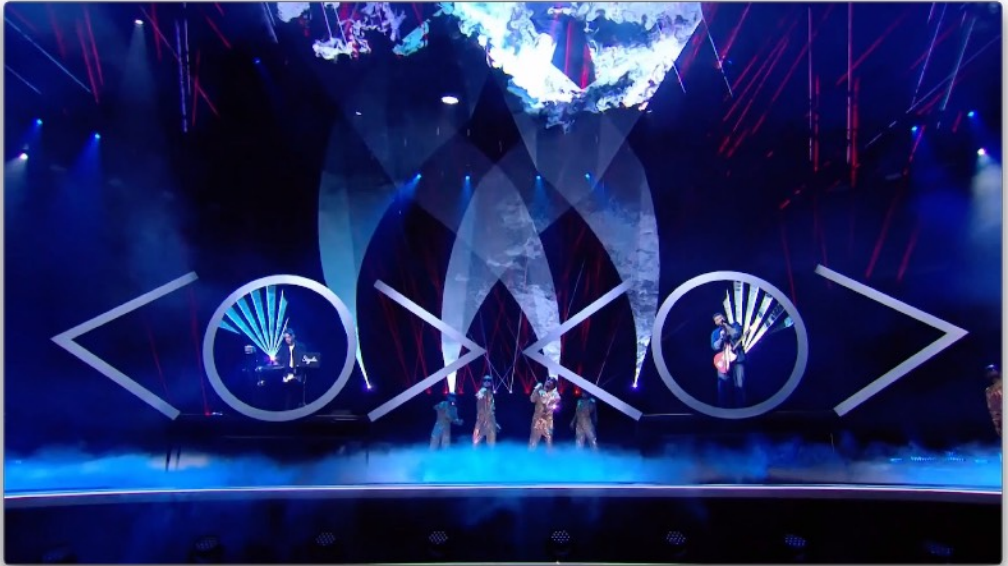
Laser Design: Marc Webber, Laser Programmer & Operator: Harry Boyde
Music: James Arthur and Sigala 'Lasting Lover' and Mc Fly 'Happiness'

The Britain's Got Talent live finals is one of the UK's biggest TV shows and this year without an audience it had to be bigger than ever. We supplied two of the guest artists using a wide variety of techniques. In particular, using rolling shutter camera effects for James Arthur's performance.

3

Third Place - Edited Film/TV/Video

Iveco T-Way Launch
Laser Entertainment

Donato Tranquillino Minerva, lasershow designer & programmer, Vittorio Bonaffini Director, Alessandro Ubaldi Lighting designer & photography director, Alessio Ferrero drummer performer, Andrea Ciarla executive director
Music: N/A

For the IvecoT-Way new truck product presentation, during the pandemic period, the client decided to perform a "digital event" with speeches about marketing and technical issues for the product presentation, but…they need a reveal, so the client's agency decided to shoot the reveal in a studio theater and then stream the show to their clients worldwide since the event cannot be performed live in this period.

2

Xavier Toscano - The Remedy
Precision Lasers

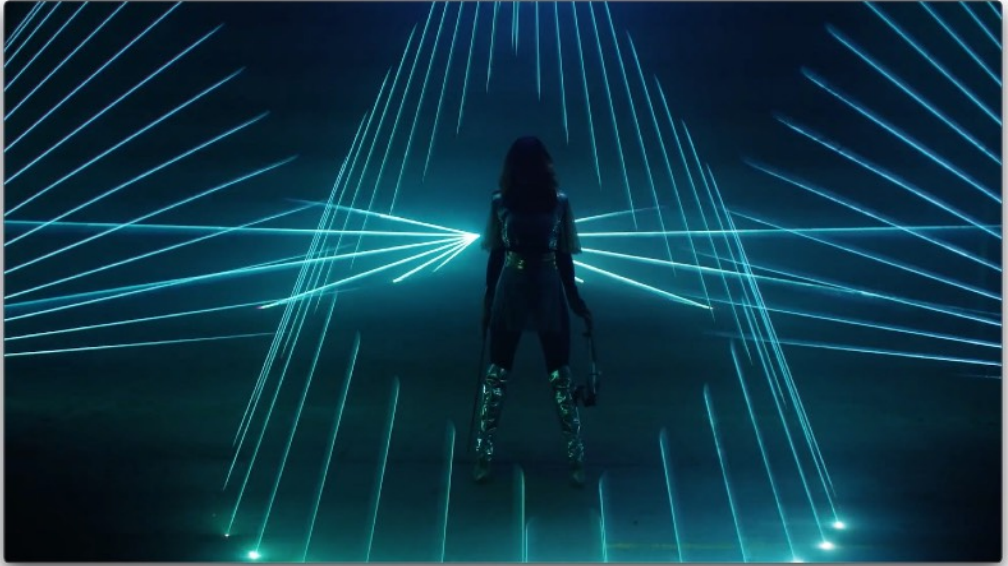*Adam LaBay, Laser Designer & Programmer; Precision Lasers, Laser Provider*
Music: Xavier Toscano, "The Remedy"

We created Laser Banding effects for Xavier Toscana: The Remedy music video. Laser Banding is a real-time practical technique where lasers are programmed so a camera captures only part of the light emitted. This was used to create of a world of multi-colored high energy beams to enhance Xavier Toscano and dancers performances. Special attention was paid to create Xavier's iconic "X" logo using the technique. This was the first video where lasers were projected from multiple angles to create new types of volumetric Laser Banding effects.

1

First Place - Edited Film/TV/Video

Lindsey Stirling – League of Legends – Wild Rift
Precision Lasers

Adam LaBay, Laser Designer & Programmer; Precision Lasers, Laser Provider
Music: Lindsey Stirling, "Wild Rift"

We recently had the pleasure of working with electric violinist Lindsey Stirling in collaboration with League of Legends: Wild Rift. Lasers were designed to portray characters & music from the game. We create a world of floating beams using Laser Banding, a technique where lasers appear to defy gravity and float in camera. Lasers are the singular effect in this video, creating an elegant landscape of ever-changing visual excitement designed to enhance Lindsey Stirling's solo performance.

3

Third Place - Laser Show with Added Effects/Multimedia

Fairyland
Visual Sensation lasershow & technologies

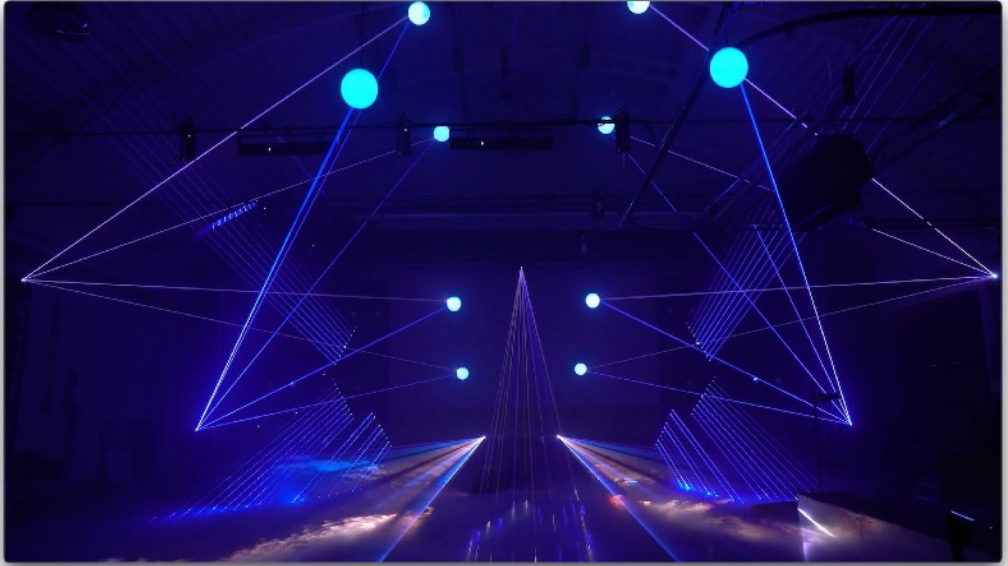*Maciej Lukaszewski, laser designer*
Music: L'Orchestra Cinématique, "Pacific Rim Theme | EPIC VERSION"

Show created for online presentation to maintain customer relationships during lockdown.

2

No Time To Die
Laser Entertainment

*Lorenzo Pompei, lasershow designer ; Donato Tranquillino Minerva,
    kinetic operator*
Music: Billie Eilish, "No Time To Die"

In this year of slowdown we took the opportunity to experiment with
new technical solutions, a multimedia show was born where the laser is
certainly the main element but is supported by old and new
technologies well balanced between them. First of all the kinetic
technology which in this period attracts a lot of attention, creating a
perfect synchronization between the kinetic elements and the laser. We
chose an extremely poetic song that seemed perfect for this difficult
moment: as Billie Eilish says, it is not time to die but to take the
opportunity to create something spectacular.

1

Amaceon - New Beam
LOBO

Show designer: Roman Schütz; Creative director: Florian Skrzypczak
Music: Original composition, "AMACEON"

"AMACEON – New Beam" is a full studio-formatted laser effects remake of a show based on a fully original orchestral composition specifically created for this production, reflecting the unique character of the music perfectly in the lasers for a former theme park attraction. For this studio remake, great importance was put into programming the laser beams to match the rising pace of the performance while still staying precise. The elaborate video backdrop with animated visualizations, striking fire effects, and captivating water screen projections perfectly complement this remastered edition.

2

Starry Night Concert:
Aldona Nawrocka and Tomasz Wozniak
Copernicus Science Centre

Mateusz Wyszynski
Music: Aldona Nawrocka, "Preludes de Lumiere", "Lunares Tempora";
*   George Gershwin, "Summertime"; Michel Legrand, "The Windmills*
*   of Your Mind"; Russ Freeman, "The Wind"*

This concert took place during the COVID-19 pandemic. The planetarium was closed for the audience. We made four concerts possible by live streaming it online on YouTube for free. It is challenging to show the capabilities and wonder of planetarium using cameras. To enhance the experience, we decided to use laser effects in the concert, despite the fact that the artists performed classical music (of various composers), which is rarely associated with lasers. We believe it worked very well. Both lasers and animations on the dome were live controlled by planetarium staff.

1 First Place - Planetarium Show

Starry Night Concert: Maria Gabrys-Heyke
Copernicus Science Centre

Mateusz Wyszynski
Music: Fryderyk Chopin, "Nocturne B♭ Minor Op. 9 No. 1", "Nocturne
B Major Op. 32 No. 1", "Waltz A♭ Minor Op. Posth"

This concert took place during the COVID-19 pandemic. The planetarium was closed for the audience. We made four concerts possible by live streaming it online on YouTube for free. It is challenging to show the capabilities and wonder of planetarium using cameras. To enhance the experience, we decided to use laser effects in the concert, despite the fact that the artist performed classical music (Fryderyk Chopin compositions), which is rarely associated with lasers. We believe it worked very well. Both lasers and animations on the dome were live controlled by planetarium staff.

3

Third Place - Nightclub/Disco/Music Festival Show

Defected at Ministry Of Sound
ER Productions

*Laser Design: Sam Tozer and Ryan Hagan, Laser Programmer &
    Operator: Jimmy Boucher*
Music: Various tracks from the Defected Record Label

We had the privilege of supporting #wedanceasone presented by
Defected Records at the Ministry of Sound nightclub. Various DJ's
played for the shoot and Disciples played an hour-long set as part of
the We Dance As One initiative celebrating Club Culture.

2

Westfest 2019 at Bath and Western Showgrounds
ER Productions

Laser Design: Marc Webber, Laser Programmer & Operator: Ross Marshall
Music: Various tracks from the Hardcore and Drum and Bass genres

Spanning several genres of music, Westfest is the largest hardcore and drum bass festival in the UK. The show spans eight hours so it's important the rig is interesting enough to operate for such a long period of time.

1

First Place - Nightclub/Disco/Music Festival Show

Igloofest
LaserTech Canada Inc.

Laser Installation / Operation / Programming: Nicolas Squire; Derek Garbos; Lighting Design & Operator: Hubert Gagnon; Producer: Multicolore
Music: Cri; Lou Phelps; Jacques Green; Mistress Barbara

This winter music festival ran virtual this year due to COVID. Four different site locations were recorded and then streamed online for audience viewing. With temperatures well below zero, wind, and snow, each site offered a unique challenge. The sites included: an outdoor roller-coaster structure, an old fort at the base of a bridge, an open-air storage shed in the port, and the roof of a skyscraper. The skyscraper roof had no security walls so the crew was attached with life-line harnesses.

3

Third Place - Live Stage Show

The Xperience
Nisha Ramnath

Nisha Ramnath, Laser Programmer and Technician; House of Sam, Producer and Creative Directors; Daniel Norman, GrandMA II Programmer; Kris Wall, Crew Lead; Zach Lawson, Laser Technician; Pyrotecnico, Equipment and Logistics

Music: All by Christina Aguilera:"Genie in a Bottle", "Intro Electro"," Candyman","Feel This Moment","Desnudate","Fighter"

The Xperience is Christina Aguilera's Las Vegas Residency at Zappos Theater in Planet Hollywood. In this dazzling stage show Christina Aguilera, now known as Xtina, sings her world-renowned hits. The lasers we used liberally through the show, seamlessly integrated into the lighting and video cues. An extreme amount of freedom was given to the laser programmer to create detailed and emotional looks so each time the lasers turn on the audience is shown the lasers in a new way. The artistic direction given by Jerri Slaughter and Paul Morente was that it's never too much, always go bigger.

2

Queen and Adam Lambert World Tour
ER Productions

Laser Design: Marc Webber, Laser Programmer & Operator: Seth Griffiths
Music: Queen 'Who Wants to Live Forever', 'Radio Gaga'

The laser tracks for Queen are classic melody lead tracks, so big bold looks with slow movements win the day on the show. Symmetry was key for stage left and right allowing us to complete big slow-moving centre-focused pans across stage.

1

Pete Tong Ibiza Classics Arena Tour 2019
ER Productions

Laser Design: Cassius Creative and Ryan Hagan, Laser Programmer & Operator: Seth Griffiths and Ivan Dokmanovic

Music: Orchestral Performance with a lead DJ - ATB 'Till I Come' , Faithless 'Insomnia' & 'God Is A DJ'

Bold and Bright was this year's goal so high-powered units were used to line the top of the Orchestra with two flanking stage left and stage right to add some width to the show.
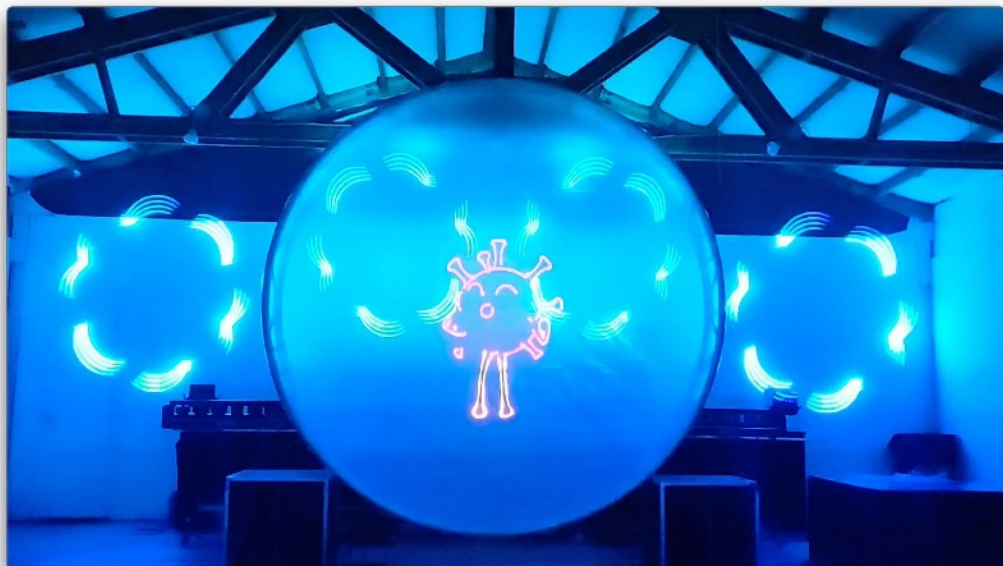
3

Third Place - Multi-Effect Laser Show

COVID Rhapsody
Laseronics and International Laser Productions

Animations and GFX by Terence Green: Abstracts by Kyle Garner
Music: Adrian Grimes (parody of Queen original)

A corporate client requested a laser show to follow a comedian at an in-house company retreat. The challenge was it needed to be COVID-related. This song parody of *Bohemian Rhapsody* was the perfect fit. Live imagery was performed by the laserist using an electronic laser synthesizer to create abstract laser images. The live performance of abstract imagery is the highlight.

2

Ghost in the City
Nisha Ramnath

Nisha Ramnath, Designer; Rick Feehry, Laser Technician and Equipment; Andrew Dranetz, Laser Technician and Equipment, MAXTENN, Laser Equipment
Music: Crystal Method, "Ghost in the City"

In the middle of a global pandemic, a biochemist who works on COVID-19 detection and Moderna vaccine development and production, commissioned a pandemic laser show to highlight our collective emotional response to these devastating events. For the entire month of December and into 2021, over 2,000 cars made their way down a quarter-mile dirt road in the darkest of winters to view the show for free.
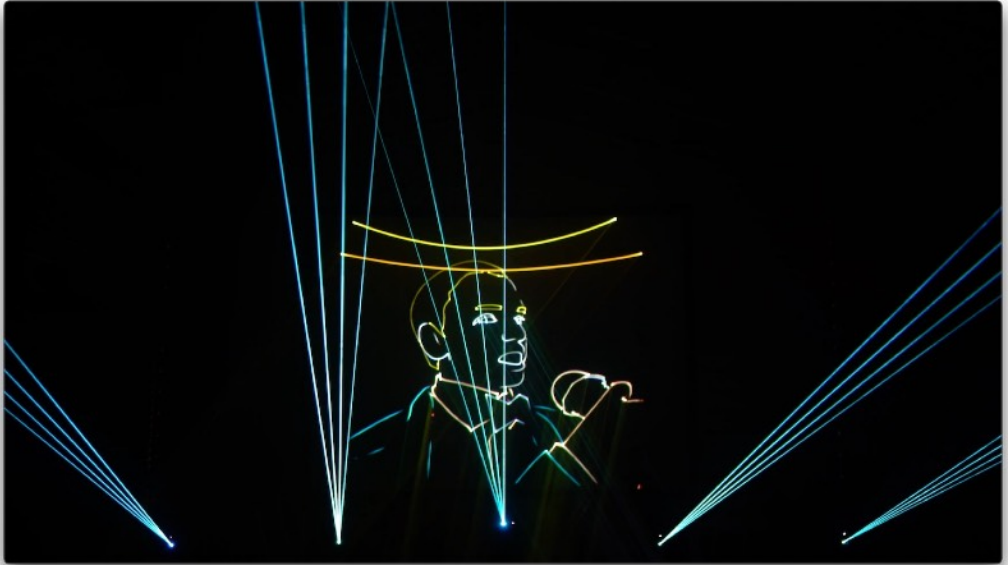
1

First Place - Multi-Effect Laser Show

Fly Me To the Moon
Nisha Ramnath

Nisha Ramnath, Designer; Rick Feehry, Laser Technician Set Design, Construction and Equipment; Andrew Dranetz, Laser Technician and Equipment, MAXTENN, Laser Equipment

Music: Frank Sinatra, "Fly Me to the Moon"

This song is usually for weddings and happy occasions. The story of this show pushes the imagination and tells the story of love, loss, and gratitude. At the end, the Sinatra singer has an extra layer of flicker and brightness banding to give him the look of a hologram.

3

Third Place - Graphics Show

Kaluga - Christmas in the City of Astronautics
Orion-Art Multimedia

Kirill Nikitochkin & Alexey Panin, laser graphics; Taras Viter, project manager.
*Music: L'Orchestra Cinématique, "Epic Christmas Music"*

This New Year's laser show was demonstrated on the main square of Kaluga, where scientist Konstantin Tsialkovski, the founder of the theory of interplanetary flights, was born and worked. Therefore, Kaluga is considered the City of Astronautics. There are many museums and monuments dedicated to the conquest of space. The show presents how Kaluga's mascot - spacemen - celebrate the coming of Christmas and New Year 2021.

2

Second Place - Graphics Show

Neodia Water
Visual Sensation lasershow & technologies
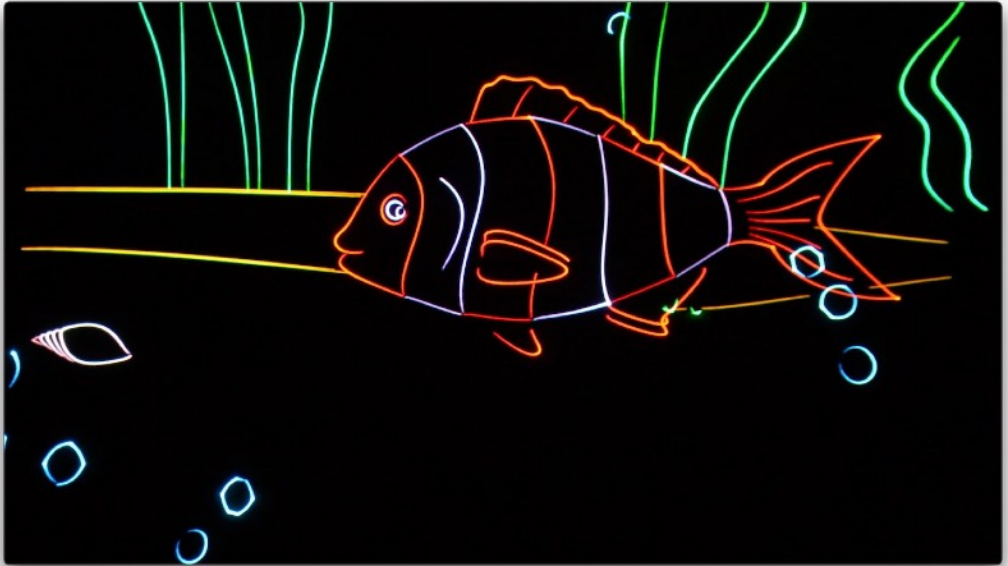
Anna Nadolna, Laser designer; Maciej Lukaszewski, Laser designer
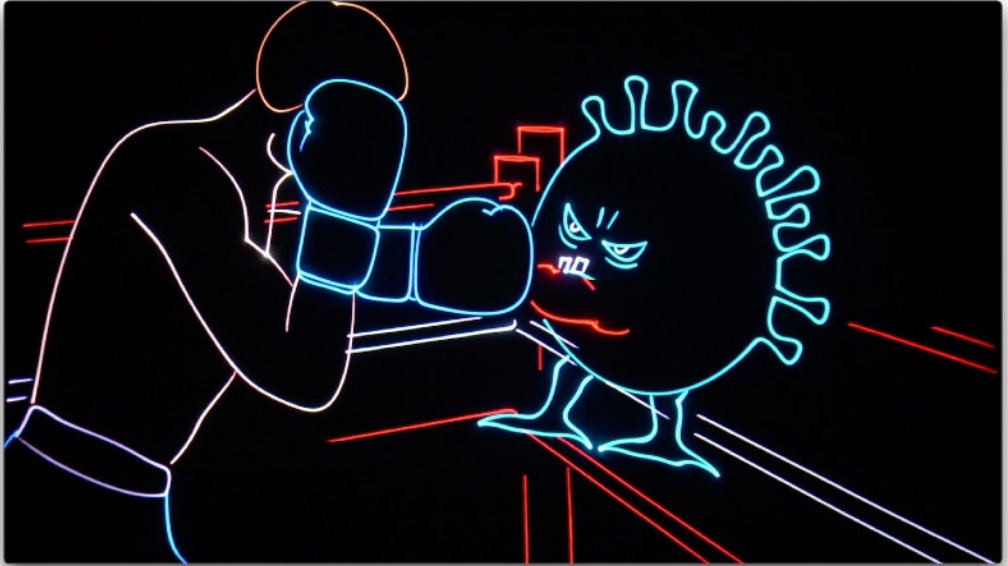*Music: Diogenes, "Neodia Water"*

A pro-environmental project to promote drinking tap water.

1

First Place - Graphics Show

Monster
Visual Sensation lasershow & technologies

Anna Nadolna, Laser designer; Maciej Lukaszewski, Laser designer
Music: Willyecho, "Monster"; Sarah Hicks & The Danish National
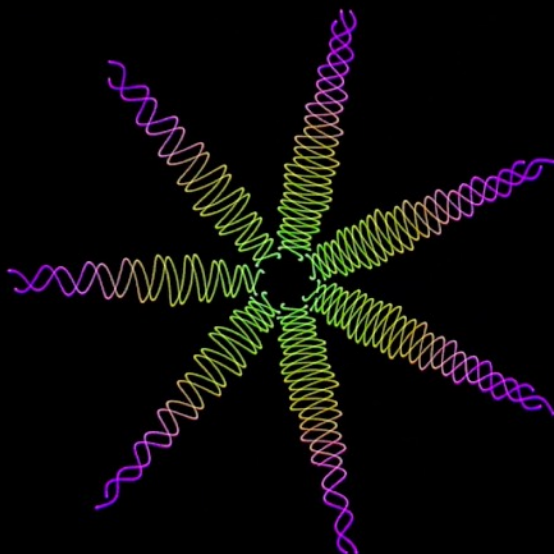   *Symphony Orchestra, "The Ecstasy Of Gold"*

A show inspired by pandemic times. A little humor in this hard time for everyone.

3

Third Place - Abstract Show

Analogue Groove
Christopher Short

Christopher Short
Music: Deee-Lite, "Groove is in the Heart"

This show consists largely of geometric shapes (square, stars, circles, etc) that are repeated in symmetric patterns and move to the music. Often the shapes have animated patterns of points that are mapped to their surface and are deforming and changing perspective as the shapes move. I punctuated the show with more traditional lissajous effects to add variety. This is just a feel good, let's dance, and celebrate that things are all going to work out.
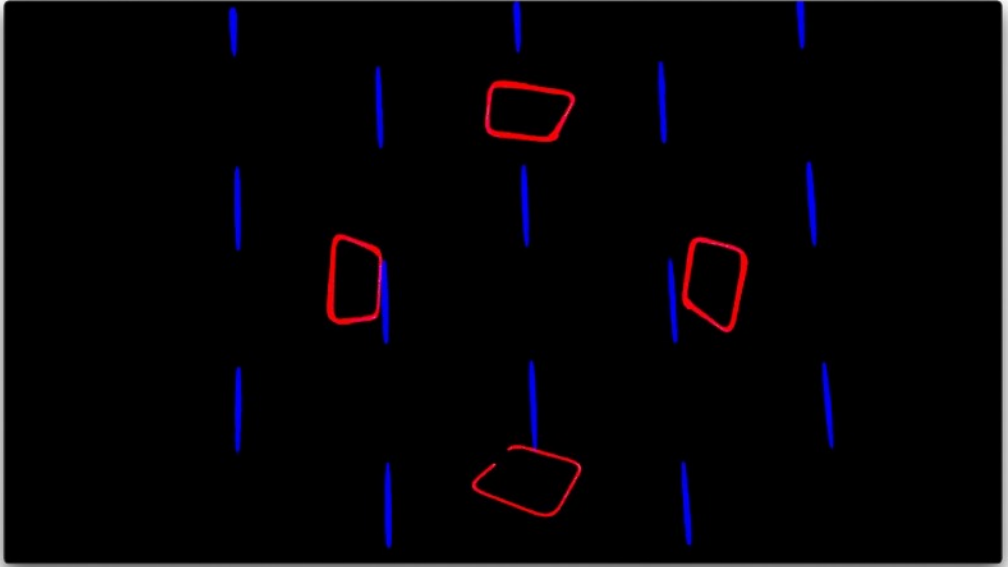
2

Love Shack
Christopher Short

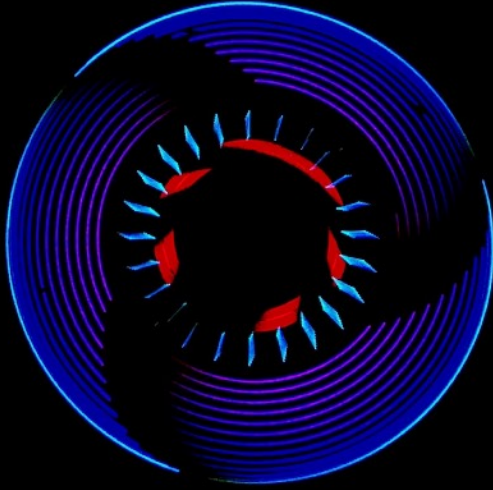*Christopher Short*
Music: B52's, "Love Shack"

This show was created to be a feel-good, big bright old-school style show. Lots of traditional FM modulated circle effects and groups of points. It's the kind of show I would love to see in a planetarium dome. After being in COVID lockdown, I wanted something bright and joyful. This show was entirely created via MIDI sequenced effects.

1

Hooray
Christopher Short

Christopher Short
Music: Shpongle, "A New Way to Say Hooray"

I wanted to use this song as a vehicle to experiment with non-traditional abstract shapes. To create something that was half a hallucination and half a hyperkinetic assault on the eyes. As the lyrics say: "The walls, such they be, are crawling with geometric hallucinations. Very brightly coloured, very iridescent." I used XZ cycloids, traveling opacity mattes, and animated intensity bands to break shapes up and make them less distinct. Much of this show was created via sequenced MIDI commands with only some accent animations created as typical timeline programming.

3

Third Place - Beams/Atmospherics Show for a Single X-Y Scanner Pair

Rivia
Igor Vlasenko

*Igor Vlasenko, programmer and video operator
Music: Kiril Zaplotinsky, "Epic"*

An exciting show that makes you imagine an epic action on a galactic scale!

2

Second Place - Beams/Atmospherics Show for a Single X-Y Scanner Pair

Adiemus
Igor Vlasenko

Igor Vlasenko, programmer and video operator
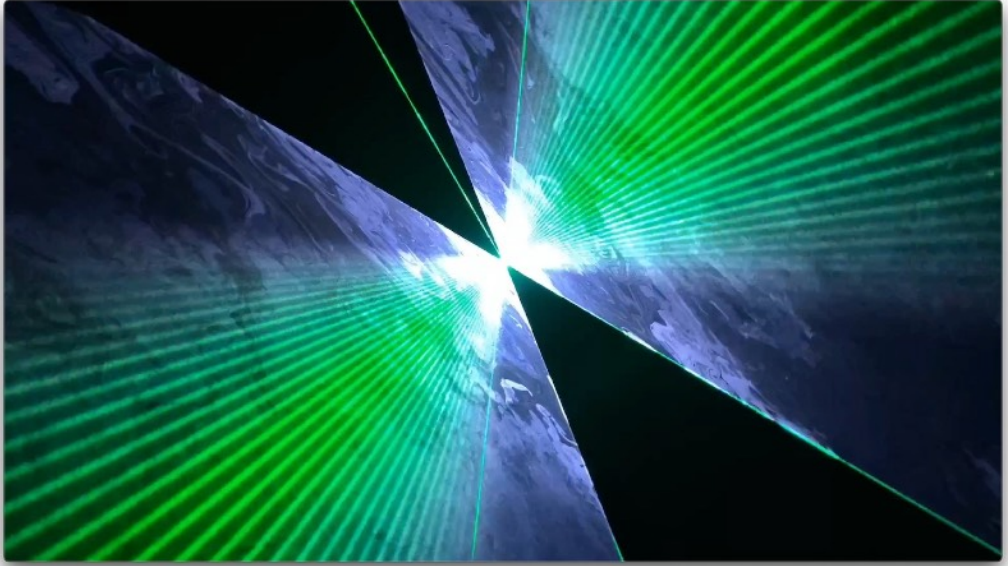*Music: Miriam Stockley, "Adiemus"*

Music that transports the mind to the world of Pandora. A mesmerizing symbiosis of music and light!

1 First Place - Beams/Atmospherics Show for a Single X-Y Scanner Pair

G4M3 0V3R
Theo Petrides

Theo Petrides, all original work.
Music: Celldweller, G4M3 0V3R

G4M3 0V3R is a mashup of various electronic songs choreographed in laser show, all which are brought together in a musical chiptune fashion.

3

Third Place - Beams/Atmospherics Show with Add-On Effects

Glamour
LOBO

Show designer: Roman Schütz; Creative director: Florian Skrzypczak
Music: Thomas Bergersen, "Victory"

A solid, strong foundation carrying a perfectly polished climax combining strings and divine vocals became an excellently-suited framework to build a laser performance around. "Glamour" fully lives up to its lofty name, a celebratory, radiant choreography with striking effects that allow the show to defy definitions and poetically speak for itself.

2

Second Place - Beams/Atmospherics Show with Add-On Effects

Banding Machine
Laser Entertainment
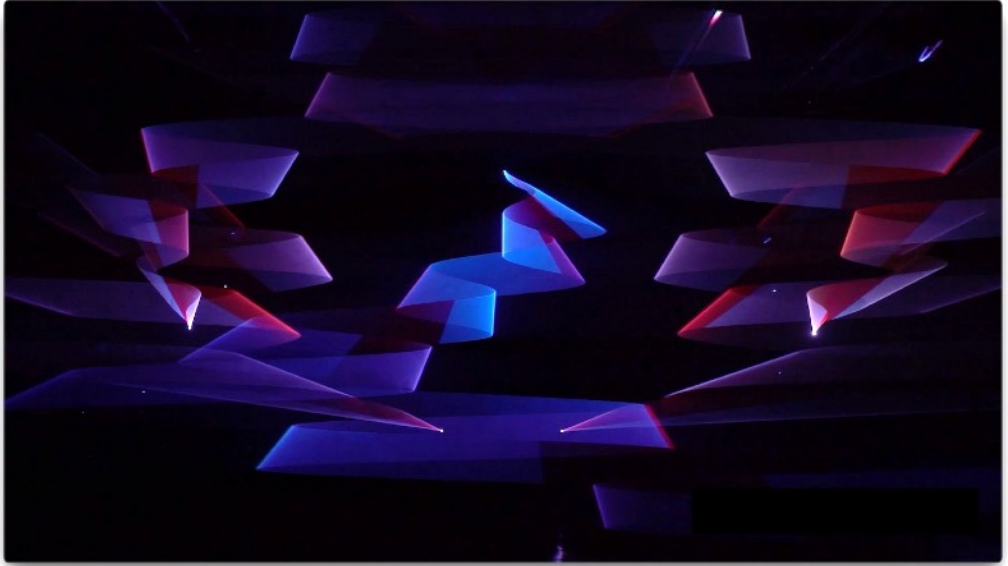
*Donato Tranquillino Minerva, Lasershow designer, Alberto Kellner, Show producer*
Music: Audiomachine, "Finis"

Due to the general slowdown that gave us a lot of spare time, we started to investigate and study the new beautiful "laser banding effect". Then we decided to put together a new lasershow with this technique… and here you can see the result.

1

First Place - Beams/Atmospherics Show with Add-On Effects

Epic Circle
LOBO
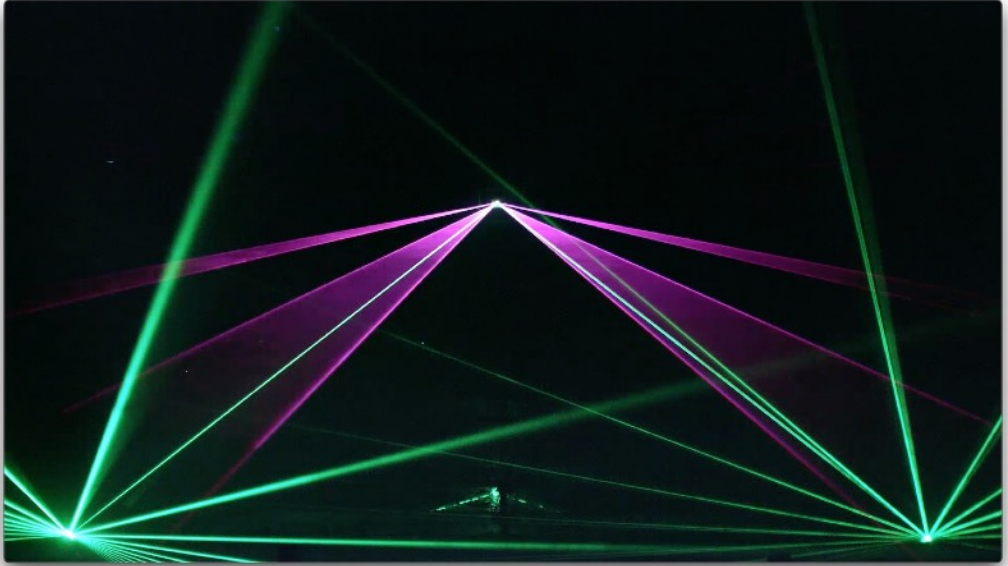
Show designer: Roman Schütz; Creative director: Florian Skrzypczak
Music: Yanni, "Santorini"

"Epic Circle" should be self-explanatorily simple – but in truth, it is full of surprises: the underlying grandeur of the "epic" is accented with forceful and precise touches, adding impulses that enhance the power within the soundtrack. To complement this force, the use of color harmonizes these impacts, maintaining a certain sense of appeal throughout the show. Finally, the transition into a gentle finale softens the strong preceding elements, reaching a conclusion which rounds off the experience, coming full circle.
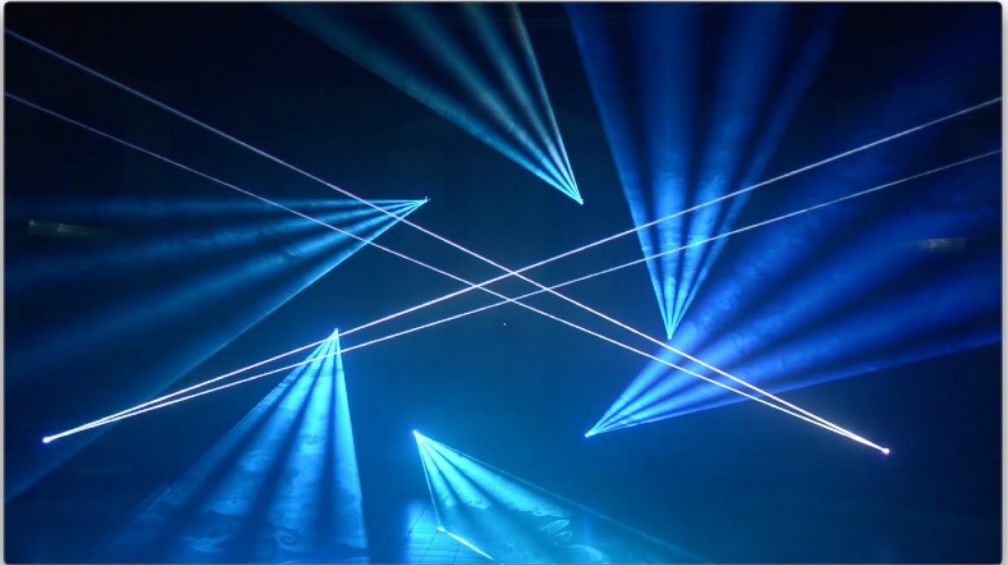
3

Third Place - Beams/Atmospherics Show for Multiple-Scanner Projectors

Neodia
Visual Sensation lasershow & technologies

Maciej Lukaszewski, Laser designer
Music: Zuri "Neodia"

[No statement of intent]

2 Artemis
VisuTek e.U.

*Markus Voggenberger, Programmer; Stephan Schneider, Setup and
    Laser Operator; Fabian Reinholz, Camera*
*Music: Lindsey Stirling, "Artemis"*

For a special customer project we programmed this beamshow using
13 laser systems. They all were set into a special arrangement to create
some fantastic effects. The customer wanted this show to have its own
unique character and effects. The song "Artemis" from Lindsey Stirling
was chosen by us. We created a very powerful and dynamic show with
precisely-timed effects.

1

First Place - Beams/Atmospherics Show for Multiple-Scanner Projectors

Resistance
Theo Petrides
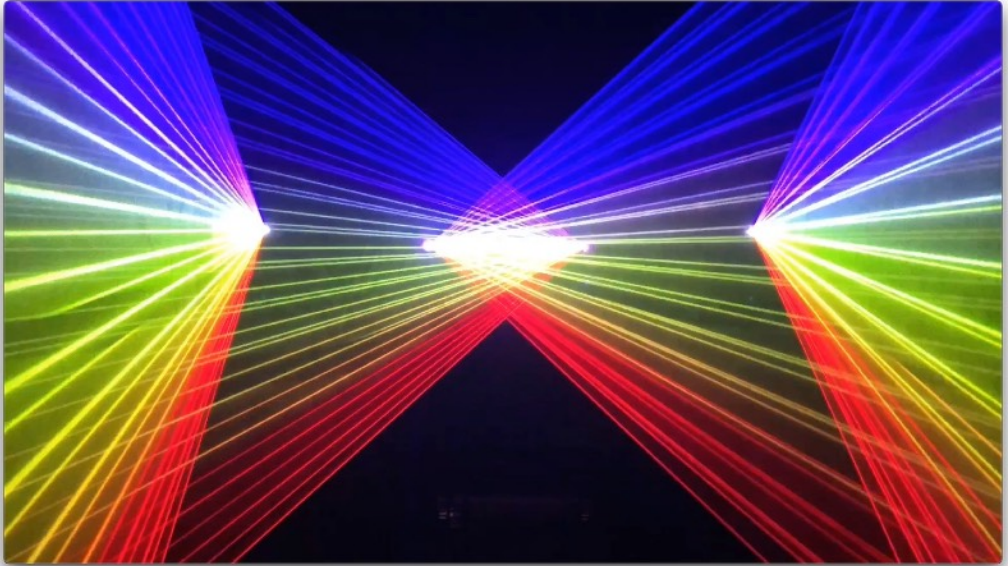
Theo Petrides, all original work.
Music: Au5, "Resistance"

Resistance is a laser show that pushes the boundaries and possibilities with exciting colors and movements choreographed to a modern utopian electronic element. Turn away if you are looking for a laser show from the Top 50 hits.

3

Third Place - Fine Art Laser Display

Lune Rouge PY1 Pyramid
Kelly Sticksel & Precision Lasers

Kelly Sticksel, Laser Designer; Adam LaBay, Lead Laser Programmer; Pieterjan Ruysch, Laser Programmer; Precision Lasers, Laser Safety Officer

PY1 is a new entertainment concept by Guy Laliberte and Lune Rouge Entertainment, a traveling venue offering a multi-sensory transformational experience. Iconically shaped as a pyramid, PY1 is a spectacular marvel of innovative technology dedicated to the presentation of vibrant and memorable artistic experiences. PY1 is filled with every sort of laser effect: high powered beam shows, audience scanning lasers, lumia effects, video-tracing laser graphics, object tracking lasers, and more. We programmed the "Through the Looking Glass" and "Stella" flagship experiences.

2

The Time Telegraph
Laserimage AB

Laser tech, Claes Magnusson; Laser crew chief, Johan Lindell; Laser Safety Officer, Henrik Hoffman; Creative director and visual artist, Ilkka Paloniemi;

Music: Ajan Lennätin, "The Time Telegraph";

The visual artist Ajan Lennätin wanted to create an art installation to celebrate New Year's Eve. Ajan wanted to transmit Morse code in the sky of Helsinki so the Olympic Stadium tower turned into a modern laser telegraph to send messages. The Morse code was also transmitted over radio as a complement for the laser. To make it visible for the whole city of Helsinki we used two lasers in each direction to create a 360-degree coverage. People were also able to request to send a personal message over Morse code. It was transmitted over a period of 14 hours during New Year's Eve.

1

Light Sculpture
Visual Sensation lasershow & technologies

Maciej Lukaszewski, Laser designer
Music: Merlin, "Awakening"; Merlin, "Magic Potion"

Light Sculpture was exhibited as one of several art exhibitions accompanying the International Conference "Beauty in Architecture: Harmony of Place".

[Safety note from entrant: "The sculpture stand was designed so that the laser would not emit toward the audience. Because of the effects used, there was a camera at the stand and the audience was supposed to watch the result on a big screen. Unfortunately, due to the pandemic, the whole Conference took place online and all accompanying exhibitions were presented as videos."]

3

Third Place - Innovative Application

Tom Scott Stopping a Laser Beam in Mid-Air
Seb Lee-Delisle

Laser design and programming, Seb Lee-Delisle; Presentation and script, Tom Scott; Explanation video animations, William Marler; Technician: Abby Shum; Videography Matt Gray.

This collaboration between the award entrant and popular science YouTuber Tom Scott was a demonstration of a custom-coded rolling shutter laser effect.

Seb Lee-Delisle custom-programmed exceptionally fine laser timing control to create the effect of a bolt of laser light moving back and forth across the camera.

At one point Tom appears to "freeze" the beam in mid air.

2

Laser Light City
Seb Lee-Delisle

*Laser design and programming, Seb Lee-Delisle; On-site laserists :
    Abby Shum, Flora Litchfield, Tanya Fish, Sophia West, Rob Stanley,
    Andy Stentiford, Danny Mason*
Music: N/A (although music in the video was written by Seb Lee-Delisle)

Laser Light City is a large-scale interactive light installation designed to work within the restrictions of COVID-19. This project provided an unforgettable and much needed source of entertainment throughout 2020.

Lasers placed on iconic buildings were visible for miles around. They spread across the sky and also through social media which was filled with dazzling images and videos.

Participants accessed the system via an online interface that lets them change the lasers' colour, pattern and position. The system can scale; over 100,000 people have interacted with it so far.

1 First Place - Innovative Application

SKP Beijing
ER Productions

*Laser Design: Weirdcore and Marc Webber, Laser Programmer &
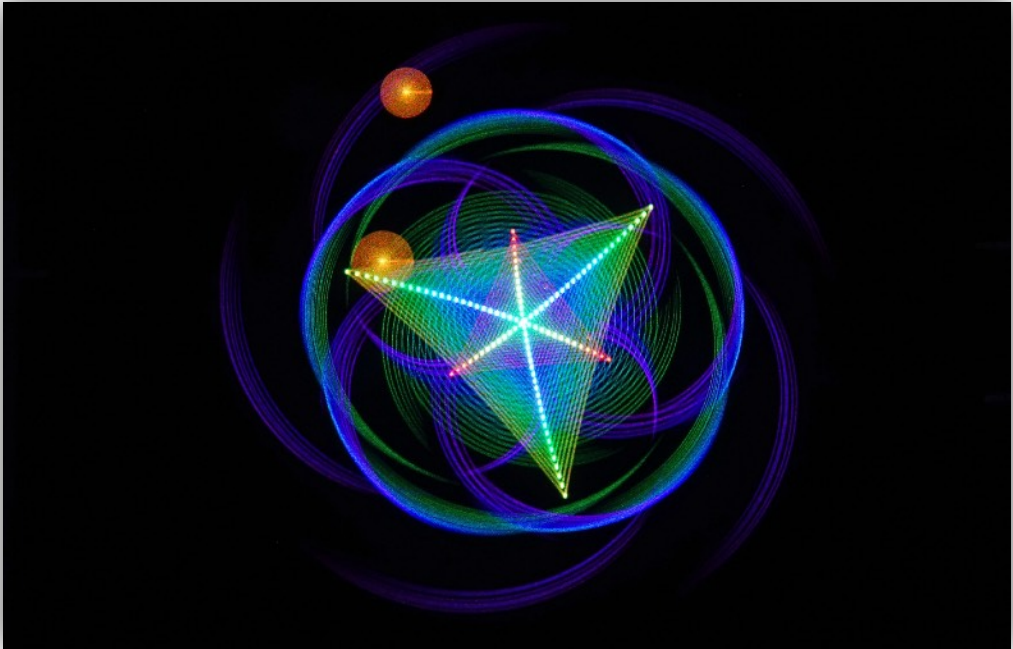   Operator: Tom Vallis and Oliver Jenni*
Music: N/A

Entrance pods for the guests were created using white array fixtures
with diverging lenses over the top to increase divergence. The guests
would enter one at a time and press any number of keys which MIDI-
triggered the lasers to run various sequences.

3

Third Place - Laser Photography

Space Age
Christopher Short

Photo by Christopher Short

I selected this photograph as it transcends the medium of laser art and becomes a throwback to 1960's sci-fi pop art. Classic geometric impressionism. Perhaps a life form. I want it on the wall of my space age bachelor pad.

2

Bouquet of Flowers
### LaserLight Magic

Photo by Manick Sorcar

This art was inspired by the floral motif of the Ajanta Caves of India (2nd Century BCE to 480 CE). It is an experimental art in mixed media of laser, lumia and fluorescent papers that glowed under UV light. Fluorescent papers were precisely cut to the shape of the laser art of the flowers and then attached on the wall before the final projection. The scene was captured by a single click of a camera and there was no post-digital enhancement.

1 First Place - Laser Photography

Bronzed
Theo Petrides
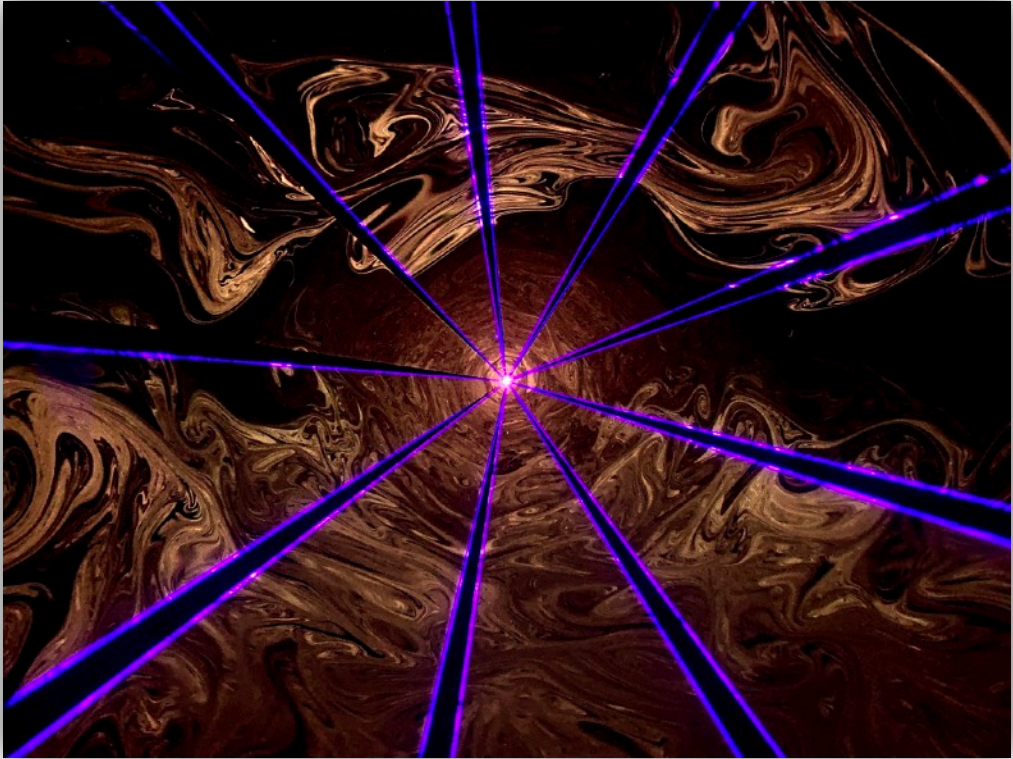
Photo by Theo Petrides

Bronzed was achieved by meticulously adjusting all elements of brightness, scan rate, and color. Often brown is a very difficult color to achieve with laser systems and any laserist can appreciate the brown tones, with purple highlights, and top it off with bit of liquid fogs effect, mwah!

The Laser Jockey competition for live performance was held on November 6, 2021 during the ILDA Cloud Conference.

The four competitors did not know what music they would be playing their lasers to. Each one was sent a music file a minute or two before their performance.

Conference attendees watched online as each performance was live-streamed. Unfortunately one of the four LJ competitors' performances was not shown due to technical difficulties.

After the LJ competitors finished, attendees then ranked their favorites in an online ballot; one vote per attendee.

These are the 2021 Laser Jockey winners:

Third Place

Matthias Frank
University of Bonn, Institute of Computer Science 4

Second Place

Derek Garbos
LaserTech Canada

First Place

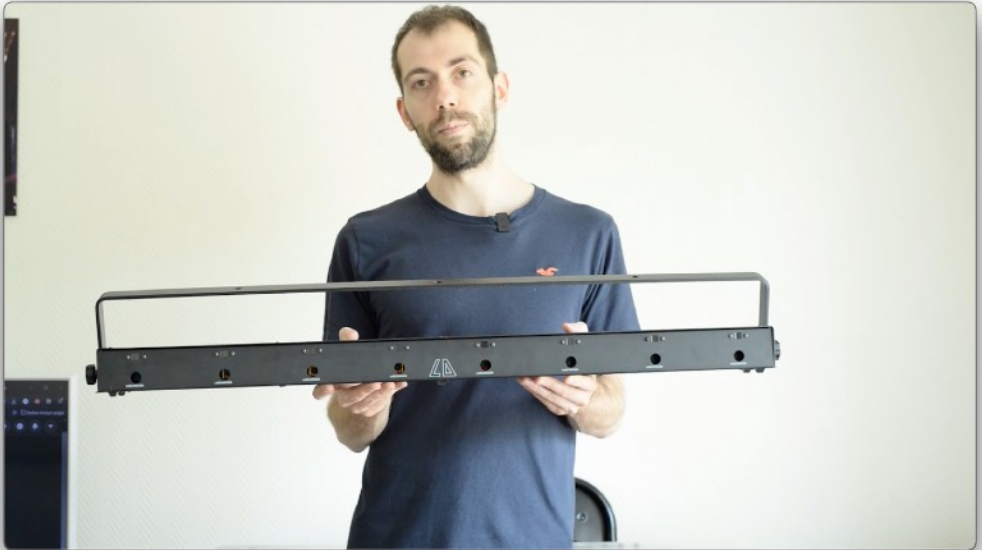**Nicolas Squire**
LaserTech Canada

1

First Place - Fenning Award for Technical Achievement
MedusHarp – Laser Harp Bar
Lightdiction

Thomas Avisse, Designer

The *MedusHarp* is an all-in-one Laser Harp Bar. It can be used as a classic laser bar controlled by DMX (currently with 8 red beams, but there may be other versions in the future). A detection system is also implemented in the bar and is assigned to each beam, so it is possible to use this laser bar as a MIDI controller; to play laser harp, for instance.

It differs from last year's Third Place Fenning Award winner, my *KB2D Interactive Laser Harp Sensor.* While that gives a lot of possibilities, it requires an external laser projector as well as some time to master it. I wanted to create a more affordable device that is extremely easy to use and would still be versatile as a laser bar as well as a laser harp.
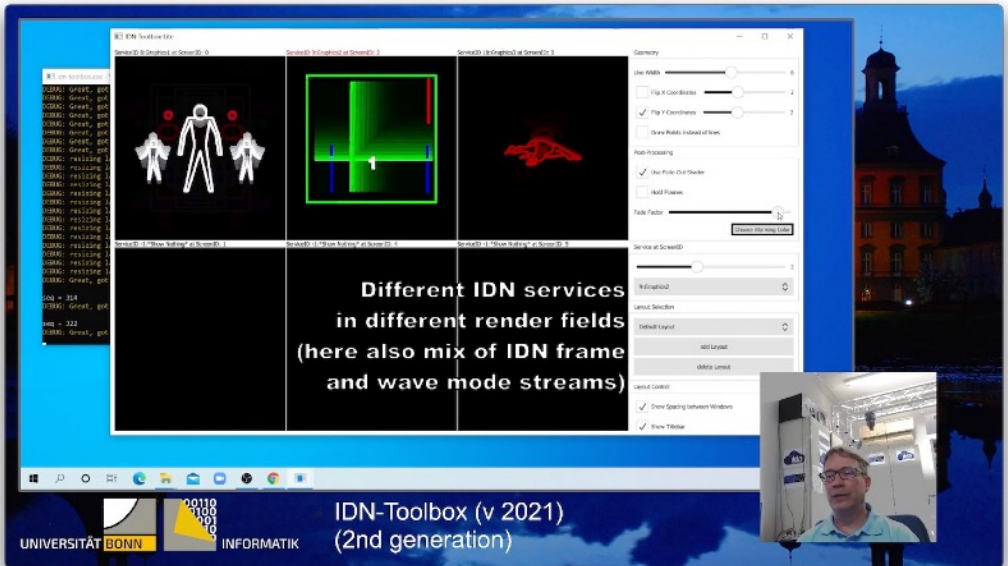
(Note: No Second or Third Place Awards were given in this category.)

2

Second Place - Fenning Award for Technical Achievement, ILDA Digital Network

IDN Toolbox (Second Generation, Version 2021)
University of Bonn, Institute of Computer Science 4 (Laser and Light Lab)

Dr. Matthias Frank and Georg Kuhlemann

This is the second generation of our flexible tool for 2D visualization of IDN (ILDA Digital Network) stream data. This version is optimized to work with multiple IDN services, multiple screen tiles, separate displays and full-screen mode.

The *IDN Toolbox* is a software that can be used to receive and visualize IDN laser graphic streams on a laptop or desktop computer.

The *IDN Toolbox* (first generation) received an ILDA IDN technical award in 2018. This year's submission contains substantial new and improved elements.

1

IDN Laser VR (Second Generation, Version 2021)
University of Bonn, Institute of Computer Science 4 (Laser and Light Lab)
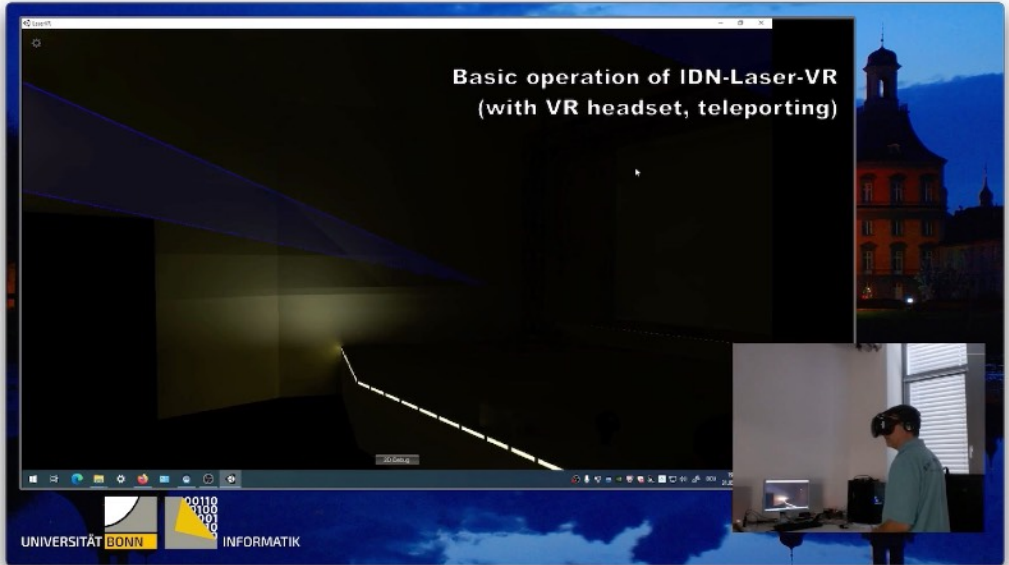
Dr. Matthias Frank and Sebastian Tasch

This is the second generation of our flexible tool for 3D/VR visualization of IDN (ILDA Digital Network) stream data. This version is optimized to work with VR headsets (HTC Vive, Oculus Rift, Oculus Quest) and also without VR headset (screen preview; configurable controls by keyboard or game controllers).

IDN Laser VR is a novel approach to real-time laser show visualization in virtual reality. With IDN Laser VR you can dive into an immersive 3D laser experience.

The *IDN Laser VR* (first generation) received an ILDA IDN technical award in 2019. This year's submission contains substantial new and improved elements.

Frederick Fenning
Laser Displays, Inc. / Image Engineering Corporation

Fred Fenning began his laser show career while still an MIT undergraduate, when he joined Laser Displays, Inc., a 1976 start-up in Cambridge, Massachusetts. There he developed the PMR-8, a digital/analog imaging and animation control unit — one of the first to incorporate a data tablet for image input. He left in 1979 to become a co-founder of Image Engineering Corporation.

At Image Engineering, he developed many innovative laser systems, including: the first true RGB projection control system; custom high-speed closed-loop scanner amps; multi-channel FM encode/decode systems; a unique "XY-TV" display to emulate scanning on a CRT monitor; digital-video storage of multiple image sources with integrated hi-fi audio (in an era before digital recording devices such as ADAT); and "The Hard Machine", a console for analog control of digitally-stored graphics, which permitted real-time performance of intricate animations.

Fred died in a private plane crash, in August 1997. Afterward, the ILDA Technical Award was renamed in his honor as the "Fenning Award for Technical Achievement."

ILDA Career Achievement Award Recipients

1989
Ivan Dryer

1990
Seiji Inatsugu

1991
Floyd Rollefstad

1992
Jennifer Morris

1993
Robert Mueller

*(not awarded
1994-2003)*

2004
Patrick Murphy

2005
Michael Roberts

2006
Doug McCullough

2007
William R. Benner, Jr.

2009
Greg Makhov

2010
Lothar Bopp

2011
Stephen Heminover

2012
Tom Harman

2013
Pavol Kubošek

2014
Tim Walsh

2015
Dirk Baur

2016
Dr. Alexander Timofeyev

2017
Alex Hennig

2018
Glenn Thomas

2019
Alberto Kellner-Ongaro

2020
Christine Jenkin

2021
Fred Fenning

From the ILDA Bylaws

The purpose of ILDA is to advance and promote the professional application of laser display

By maintaining standards of safety performance;

By promoting a better understanding between laser display professionals and regulatory agencies;

By fostering the development of new technology;

By promoting the advancement of laser artistry;

By increasing public awareness;

By providing information to the public; and

By promoting cooperation within the industry.