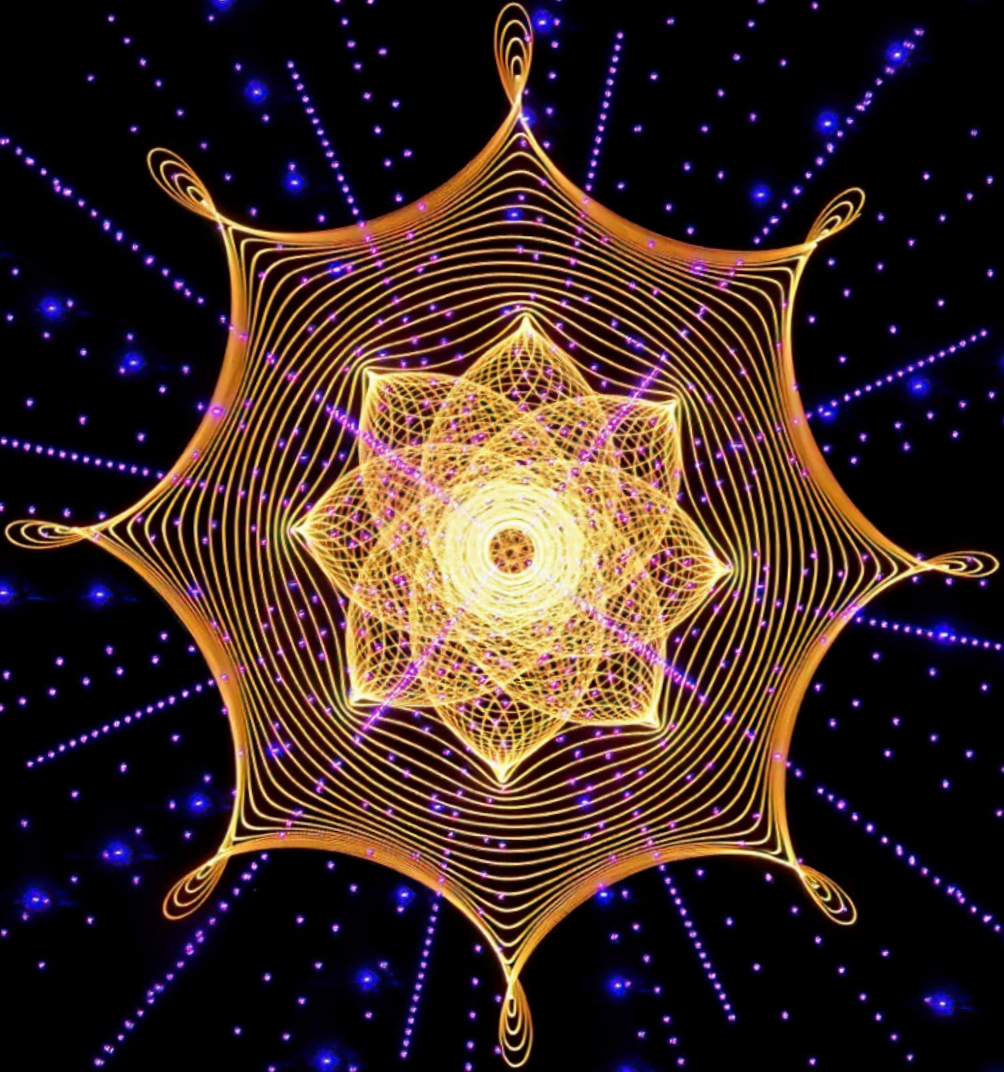


THE WORLD'S BEST LASER SHOWS, AS JUDGED BY THEIR PEERS

2023 ILDA AWARDS



Presented at the 2023 ILDA Conference in Atlantic Beach, North Carolina



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Cover photo

“Golden Lotus” by Christopher Short

Rotated to fit vertical format

First Place, Laser Photography, 2023

Table of Contents

2023 ILDA Awards.....	4
Laser Safety Information	5
Entrants, Judging and Voting	6
Corporate Show	7
Live TV Show.....	10
Edited Film/TV/Video.....	13
Laser Show with Added Effects/Multimedia	15
Planetarium Show	18
Nightclub/Disco/Music Festival Show.....	19
Live Stage Show.....	22
Multi-Effect Laser Show	25
Graphics Show	28
Abstract Show.....	31
Beams/Atmospherics Show for a Single X-Y Scanner Pair	34
Beams/Atmospherics Show with Add-On Effects	37
Beams/Atmospherics Show for Multiple-Scanner Projectors.....	40
Fine Art Laser Display	43
Innovative Application	46
Laser Photography.....	48
“Laser Jockey” Performance.....	51
Fenning Technical Achievement Award.....	52
Fenning ILDA Digital Network Technical Achievement Award	55
ILDA Career Achievement Awards	58
Previous ILDA CAA Recipients.....	59
Thanks to our host and sponsor	61

2023 ILDA Awards and Conference

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Produced by LaserNet, Tom Harman & Christine Jenkin

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Laser Safety Information

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.

Entrants, Judging and Voting

Artistic Awards

Judging was done in June 2023 via online viewing and voting. Judges were Brad Billet, Rad Drobny, Michael Dunn, Dizzy Edlinger, Olga Eser, Derek Garbos, Terrence Green, Tim Hallmark, Christine Jenkin, David Kumpula, John Laughlin, Theo Petrides, Leon Ren, Michael Roberts, Karl Rothweiler, Merlin Schaadt, Cory Simpson, Nick Squire, Alexander Timofeev, Markus Voggenberger, Jonas von Stockhausen, and Sean Zhang. Judging coordinator was Awards Committee Chair Richard Gonsalves.

Together they judged 119 video entries from 33 ILDA Members. There were 41 winning Artistic entries (not counting Laser Photography winners) from 22 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 multiple persons serve as judges.

Laser Photography and Career Achievement Award

Twenty-five Laser Photography entries, and five CAA nominees, were judged by ILDA Members voting online, June 5-20, 2023. On September 13, the ILDA Board voted to present another 2023 CAA award to Walt Meador.

Fenning Technical Awards (general and IDN)

Technical entries were judged via online viewing and voting by general judges Derek Garbos, Horacio Pugliese, and Timothy Walsh, and IDN judges Daniel Briggs, Tim Hallmark and Horacio Pugliese. They evaluated seven general and four IDN entries from ten ILDA Members. The general Tech winners were voted on July 8; the IDN winners were voted on July 12, 2023.

Laser Jockey

Judged by attendees watching the Laser Jockey performances live during the ILDA Conference on September 18, 2023.

Third Place - Corporate Show

Space Merlin Schaadt



Credits: Laserdesign: Merlin Schaadt; Creative Director: Alex Hennig;
Agency: Zweiplan GmbH

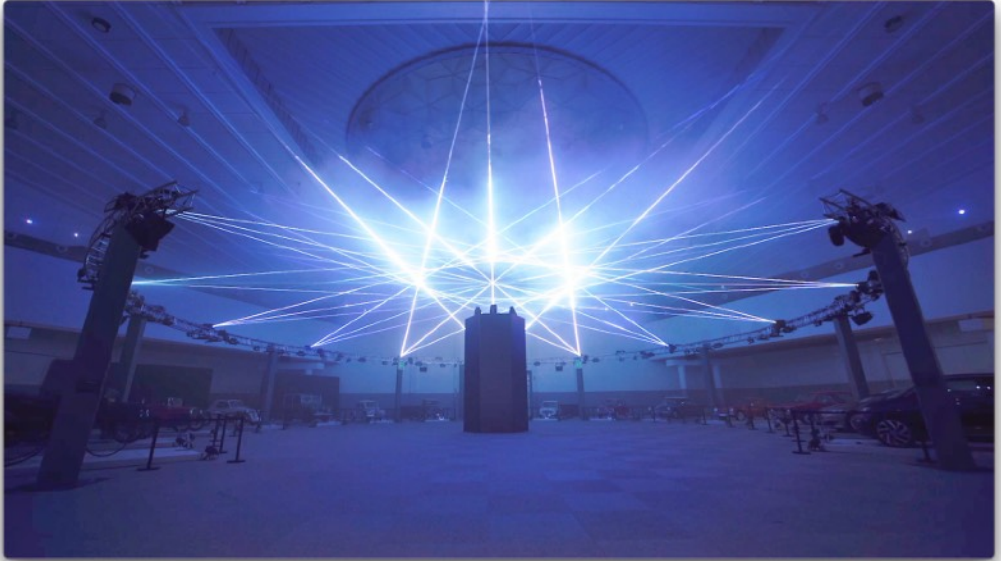
Music: John Williams, "Mischief Managed!"; John Powell & Harry Gregson-Williams, "Escape from the Dragon"; Faithless, "Salva Mea 2.0 (Above & Beyond Remix)"; Faithless, "We Come 1"; Really Slow Motion, "Suns and Stars"; Two Steps From Hell, "Unleashed (feat. Merethe Soltvedt)"; Whitney Houston, "One Moment in Time (feat. Aswintha Vermeulen)"; Epic North, "Black Star"

This production was special in every respect. Could there be any better environment for lasers than being on a space ship orbiting planet Earth? We created the realistic illusion that 2,300 guests have been beamed from spaceport Leipzig directly into the beam hangar of mother ship of the company Progroup. Inventive stories were told about the company's DNA, its innovative and collaborative culture, the handover of the bridge and the start into the future. One of the highlights was time pirates taking over the bridge, trying to steal the secret of success in a speedy race through the past.

Second Place - Corporate Show

2

Cycle100 Laser System Europe



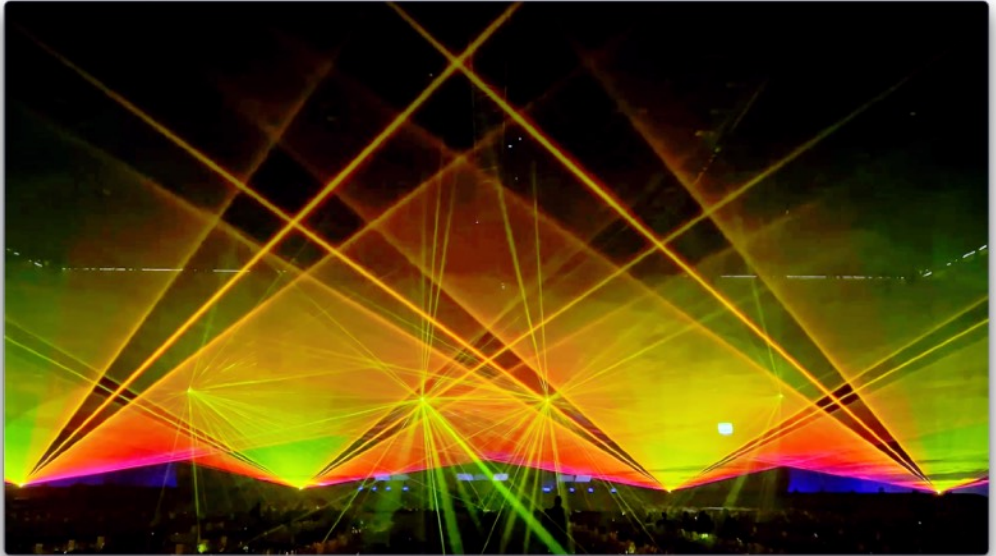
Credits: Antoine Goldschmidt

Music: Before Tigers, "Cycle100"

Working with many forms of lights (laser, lights, LED walls), combining and synchronizing them all in a very precise manner, controlling colors, patterns, shapes, movements in space, positions, intensity, rhythm to create an immersive and sensitive composition, a form of "intangible light ballet." Cycle100 was made in honor of the 100th edition of the Brussels Motor Show, featuring the 15 most-used cars in Belgian history.

First Place - Corporate Show

Progroup
Merlin Schaadt



Credits: *Laserdesign: Merlin Schaadt; Creative Director: Alex Hennig;
Agency: Zweiplan GmbH
Music: Nightwish, "The Poet and the Pendulum"*

This production was special in every respect. Could there be any better environment for lasers than being on a space ship orbiting planet Earth? In a total of 10 scenes inventive stories were told about the company's DNA, its innovative and collaborative culture, the handover of the bridge and the start into the future. This time-coded show was intended to be the start of a new era. The spaceship flies with maximum energy into a new future of the company.

Third Place - Live TV Show

Alan Walker VG-Lista 2022

Laserimage AB



Credits: Programming and Operator; Love Karlsson; Laser Tech: Johan Lindell; Laser Safety Officer: Henrik Hoffman

Music: Alan Walker, "Blue"; Alan Walker, "Alone remix"; Alan Walker, "The Drum"

This is one of the most well-known TV shows in Norway, It's a free concert held outdoors each year during the brightest part of the summer. This makes it hard to have a visible laser show since the sun never sets completely. It's also a concert that needs to be visible on TV which makes it even harder. The client wanted a classic EDM laser show to enhance the performance for the audience.

2

Second Place - Live TV Show

Marcus and Martinus Air Melodifestivalen Laserimage AB



Credits: Programming and Operator: Love Karlsson; Laser Tech and Laser Safety Officer: Johan Lindell

Music: Marcus and Martinus, "Air"

This was the finals of the qualifier to go to Eurovision Song Contest 2023, The client wanted to use banding effects together with "normal static" frames to combine the smooth banding effects together with the normal effects of a laser. A big challenge was to create a show that both looked good for the live audience but also the TV viewers who were the primary audience. In the end we managed to have sections of banding together with the normal effects of a laser that not only looked good for the live audience but also made a stunning show for the TV viewers.

First Place - Live TV Show

Melodi Grand Prix 2022 - Daniel Lukas

Diode as



Credits: *Laser Design and Programming: Jan Martin Svensson Vågen; Lighting Designer: Joakim Faxvaag; lasers supplied by Laserteknikk AS*
Music: Daniel Lukas, "Kvelertak"

We wanted to make a piece where lasers were the main part of the light show and underlined and enhanced the music, in a relatively simple, yet effective way.

Second Place - Edited Film/TV/Video

Pitt Football Promo
Lightwave International



Credits: *Programming/Performance: Michael Dunn; Laser Technicians: Glenn Wright, Evan Dodworth, Alex Grove*

Lasers enhance members of the Pitt football team, played live as each football player is introduced.

First Place - Edited Film/TV/Video

Married at First Sight Promo

Diode as



Credits: *Laser Design and Programming: Jan Martin Svensson Vågen; Director: Adam Bonke; DOP: Rolf J. Mose; Client: Tangrystan Prod AS*

The directors wanted to use lasers to heighten the visual appearance of this promo, which is a TV show called "Married at First Sight".

Laser Show with Added Effects/Multimedia

3

Third Place - Laser Show with Added Effects/Multimedia

Nel cuore di Caravaggio e Van Gogh Marco Inselvini



Music: Nightwish "Eva (Orchestral edition)", David Chappel "Prometheus"

"In the heart of Caravaggio and Van Gogh" is a show created for the presentation of the exhibition on these famous artists, on the occasion of Brescia and Bergamo capitals of culture 2023. The exhibition took place inside the local church.

Second Place - Laser Show with Added Effects/Multimedia

2

Huracan
Marco Inselvini



Music: David Chappel “Divebomb”, David Chappel “Tempest”, Dylan Jones “Blood Oath”

“Huracan” is a new generation of traveling digital laser and water show. Thanks to the use of the most advanced entertainment technologies, the spectator will be projected into an unprecedented story between magic and technology, between mythology and ancient Mayan civilizations. The unpublished story, born from the imagination, is based on the events of Mayan and Aztec mythology, bringing the audience into an ancient mystery, in which a mysterious artifact will become the connection between our world and an intergalactic civilization.

First Place - Laser Show with Added Effects/Multimedia

Performance - "Imagine"

Lightstream Ltd.



Music: Based on The Beatles "Imagine"

The show was one performance in lighting festival. Each performance had human actors or singers. The challenge was to create a show where all the disciplines (surround sound, video, lasers, human performance and light) are well balanced to create a powerful and emotional performance. Viewers were in the middle of a ring surrounded by choir singers and lasers creating a 360 degree show. The choir was prerecorded, the featured singers sang live.

First Place - Planetarium Show

Cybershow 2517 Copernicus Science Centre



Credits: Mateusz Wyszzyński

Music: Scandroid, "Everywhere You Go"; New Order, "Blue Monday"; Scandroid, "Neo-tokyo"; Dance With the Dead, "Graveyard Shift"; Scandroid, "Phoenix"; Deadlife, "Winter With Millie"; Knife Party, "Bonfire"

We wanted to take our audiences both back and forward in time. We achieved it by reaching into the style of 'retro science-fiction'. Combining the aesthetic of old video games, synthwave music, cyberpunk story and laser lights gave the unique planetarium experience. Atmospheric and graphics lasers not only emphasize the music but also contribute to the animated story displayed on the dome.

Third Place - Nightclub/Disco/Music Festival Show

Tranceformations 2023

Visual Sensation Laser shows & technologies



Credits: *Laser Designer: Jaroslaw Nadolny*

Laser effects performed live during the all-night music festival held in the hall.

Second Place - Nightclub/Disco/Music Festival Show

Sunrise Festival 2023

Visual Sensation Laser shows & technologies



Credits: *Laser Designer: Jaroslaw Nadolny*

Laser effects performed live during the all-night music festival held in the open air.

First Place - Nightclub/Disco/Music Festival Show

Odesza Okeechobee Music Festival
Lightwave International



Credits: Programming: George Dodworth; Laser Technicians: Glen Foy, John Hruska

Music: Odesza, various songs

Precise laser programming was required to accompany this popular festival act.

Third Place - Live Stage Show

The Snow Queen Dreamlaser



Credits: Art Director: Alice Soboleva; Laser Designers: Olga Savelyeva, Anna Usova, Mikhail Shebukov, Galina Pozdnyakova

Music: Pyotr Ilyich Tchaikovsky, "Romeo and Juliet"; Gabriel Faure, "Pavane"; Mussorgsky, "Pictures At An Exhibition" performed by the Nizhny Novgorod Symphony Orchestra

The laser show was used as the setting for the fairy tale "The Snow Queen." The designers created the animation beforehand, and the art director mounted the individual pages for the seven stories. The animation was manually turned on by script in real time separately for each zone. It was necessary to adjust the beginning and end of the animation according to the artists' performances. Seventeen performances were shown during the tour.

2

Second Place - Live Stage Show

Def Leppard/Mötley Crüe Tour 2023 Lightwave International



Credits: Programming: George Dodworth, Michael Dunn; Laser

Technicians: Dave Fonner, Bryan Mikulan

Music: Def Leppard and Mötley Crüe, various songs

Lasers and rock and roll clash, taking this show to 11.

First Place - Live Stage Show

2023 Arknights Concert

laserwitchery



Credits: Laser Director/Program/Design/Operator: Leon.RJ; Laser Technical Assistant: Zen Xiong; Art Consultant: Sean Zhang
Music: Various MSR songs

MSR Records (a in-game virtual record company) collaborated with various artists to create this game-derived concert. We designed a total of 63 lasers for it, which were subdivided into 6 functions: 15 laser projection zones consisting of low, medium and high, which radiated over most of the audience; 16 units installed in three V-type Kinetic structures which can change the position of the lasers; 6 lasers installed at a height of 15m for the atmospheric effect of the stage area; 16 laserbars to create more impactful scenes; 8 lasers mapping the dome; and 2 lasers interacting with the LED screen animation.

Multi-Effect Laser Show

3

Third Place - Multi-Effect Laser Show

Music

Laser Entertainment s.r.l.



Credits: Lasershow Programmer: Lorenzo Pompei

Music: John Miles, "Music"

We made this show on the occasion of the women's ski world cup competition in Sestriere (Italy Dec. 2022). Despite the show being programmed for ten lasers, onsite we installed 28 projectors including a cluster of six lasers in the center of the stage. We decided to use this musical piece since a few months earlier the famous musician John Miles passed away, and we wanted to honor and remember his talent and especially this piece of music that appeals to a universal audience thanks to the presence of different genres (rock, classic, pop). We believe that this music art piece is timeless!

2

Second Place - Multi-Effect Laser Show

Holiday Drive In Dynamic FX



Credits: *Programmer: Mike Dunn; Producer/Programmer: Shane Martz;
Laser Tech: Matson McCrabb*

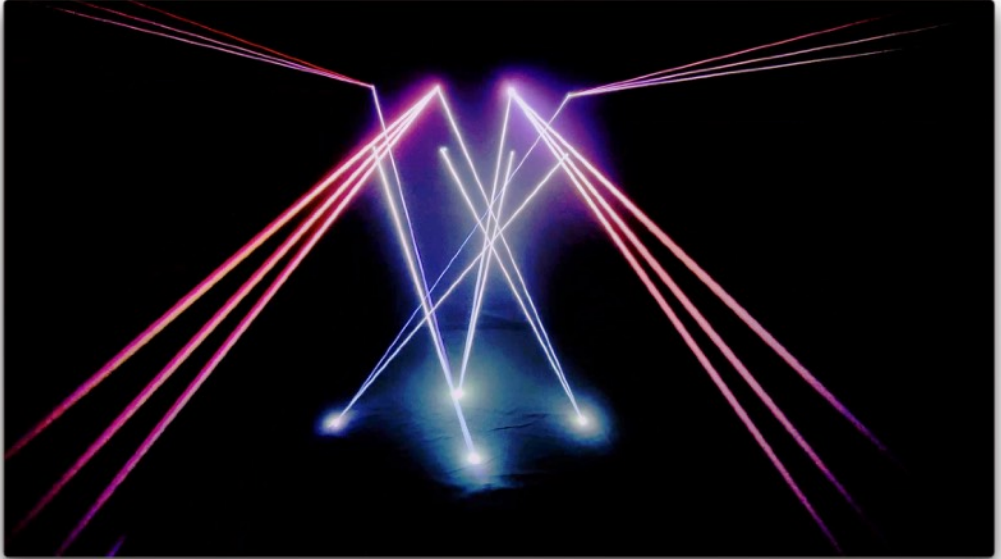
Music: *Trans-Siberian Orchestra, "Wizards In Winter"*

A clip of a custom show for holiday drive in.

First Place - Multi-Effect Laser Show

Polyriddim

Victor Bian



Credits: *Programmer: Victor Bian; Zoning and Filming: Nathan Jin*

Music: *phonon, "polyriddim"*

I wanted to make a fun show to some unconventional music. After seeing another fellow laserist use this style of zoning, I wanted to see what I could do with it.

Third Place - Graphics Show

Let's Twist Again

Visual Sensation Laser shows & technologies



Credits: Laser Designer: Anna Nadolna

Music: Jive Bunny, "That's What I Like"

The graphics were intended to introduce both adults and the youngest viewers to the dance mood before welcoming the new year together.

Second Place - Graphics Show

2

Christmas Dreamlaser



Credits: Art Director: Alice Soboleva; Laser Designers: Olga Savelyeva, Anna Usova, Mikhail Shebukov, Galina Pozdnyakova

Music: WildKittyTunes, "The Epic Christmas"; MyWay, "Epic Christmas Jingle Bells"

A fun and positive show about the hustle and bustle of Christmas and miracles. For the show we made 3D character models, rig and animation. It is important to note that the rig was set up not only for the bodies of the characters, but also for the faces. This allowed us to work out the characters' facial expressions. We also developed music and sound design that conveyed the characters' characters and the magical atmosphere of the entire show.

First Place - Graphics Show

WilCo Courthouse 175th
Laser Spectacles, Inc.



Credits: *Laser Programmer: Tim Walsh*

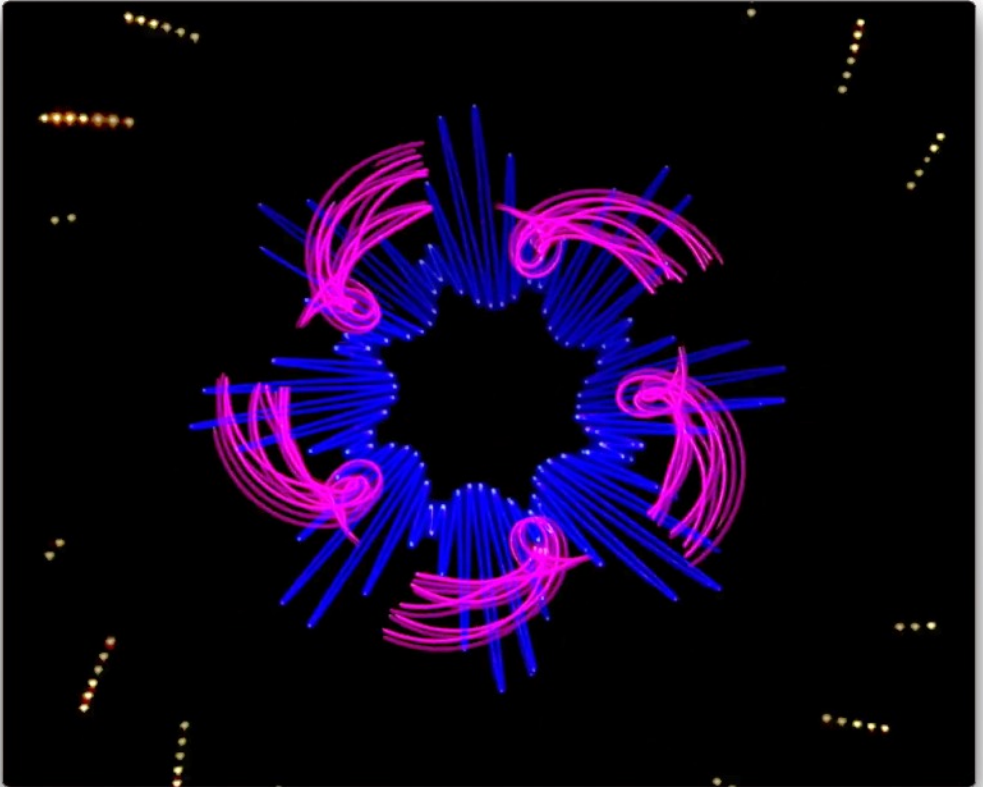
Music: *Tim Walsh, "Powerful Flight"*

This piece is exclusively laser graphics projected upon the Williamson County Courthouse. Programming the show was a journey of discovery as I learned the inner lines of this Texas courthouse. My goal was to turn the courthouse into something unexpected and beautiful for the residents who see the structure every day in daily life. I used laser mapped graphics, abstracts, and flowing lasers to accomplish this goal.

Third Place - Abstract Show

Cool Cat

Christopher Short



Credits: *Christopher Short*

Music: *Tape Five, "A Cool Cat in Town"*

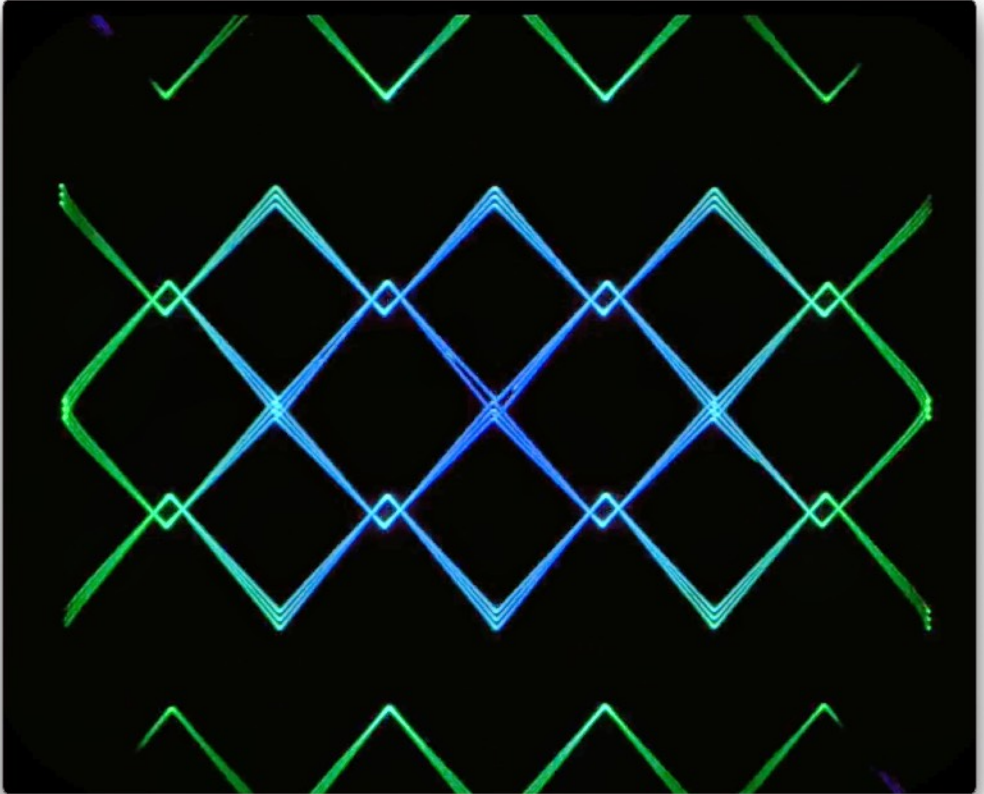
I have such a soft spot for electro swing. Fast, funky, and lots of change ups. It just calls out to be made into abstract shows. This is a bright, high energy show that would be perfect in the dome when things get sleepy. This is non-stop eye candy with big beat abstracts and a surprise dance number.

Second Place - Abstract Show

2

Feel It

Christopher Short



Credits: Christopher Short

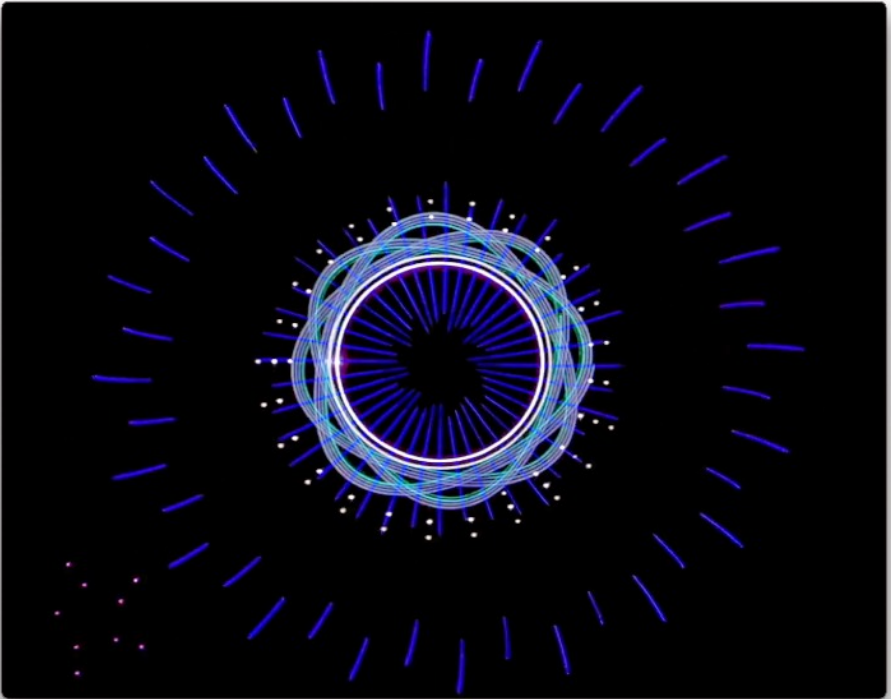
Music: Portugal. The Man, "Feel it Still"

This is a single projector show. It's just designed to be a few minutes of feel good. There's lots of dynamic motion and colors and abstracts mapped to surfaces that have rotation and motion applied. There's lots of layers behind layers and just fun eye candy happening.

First Place - Abstract Show

Analogue Brundle

Christopher Short



Credits: Christopher Short

Music: Christopher Young, "Accelerated Brundle Disease"

This is a slow show, but not a simple show. An exercise in world building. Treating abstracts as forms that exist in some new reality. Shapes and organisms that follow unknown natural laws. A narrative of motion and transition and intent. Non-standard abstracts that interact and have mass and strange symmetries. The unseen parts of this show are nearly as complex. Traveling opacity mattes and weird motion paths help give solidity and animation to the shapes. There's an homage to two well-loved science fiction classics in this show. See if you can find them.

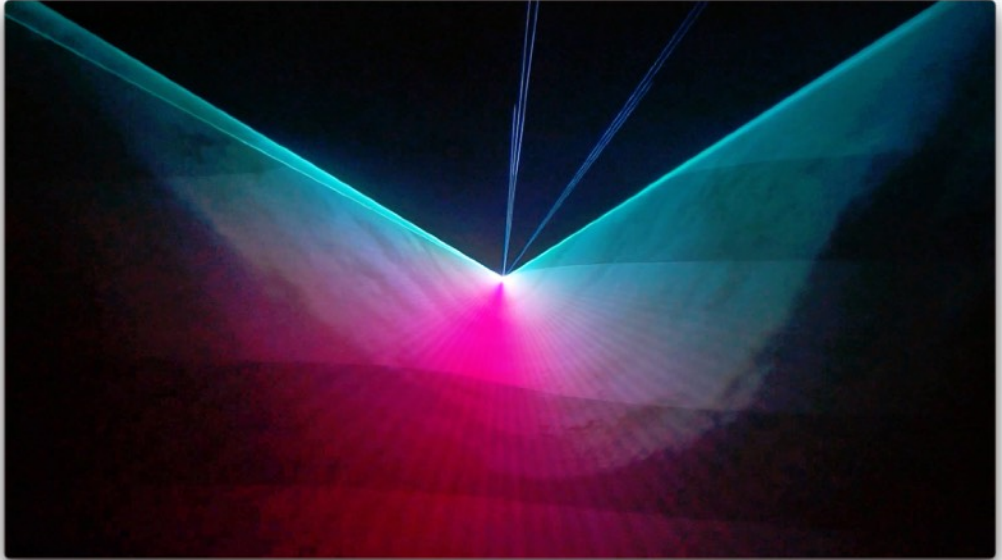
Beams/Atmospherics Show for a Single X-Y Scanner Pair

3

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

Jungle Cruise

VisuTek e.U.



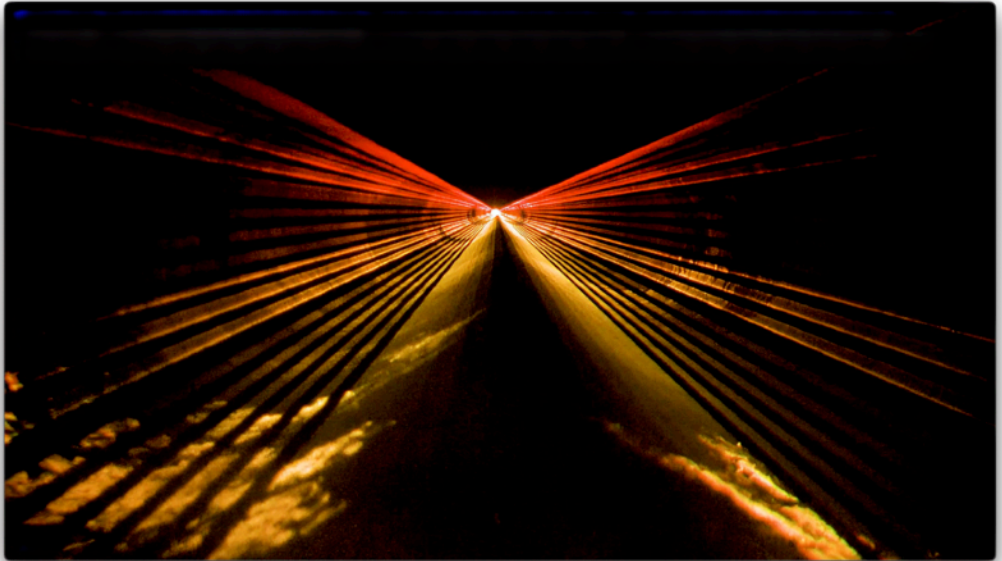
Credits: Programmer: Markus Voggenberger; Camera, Setup and Laser Operator: Helmut Gruber

Music: James Newton Howard, "Nothing Else Matters (Jungle Cruise Version Part 2)"

Originally adapted for the score from the Hollywood movie "Jungle Cruise" we used this orchestral version of "Nothing Else Matters" by Metallica, to create a very emotional beam show. With this show we try to represent and visualize the magic of this music.

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

Alea Sharan
LOBO



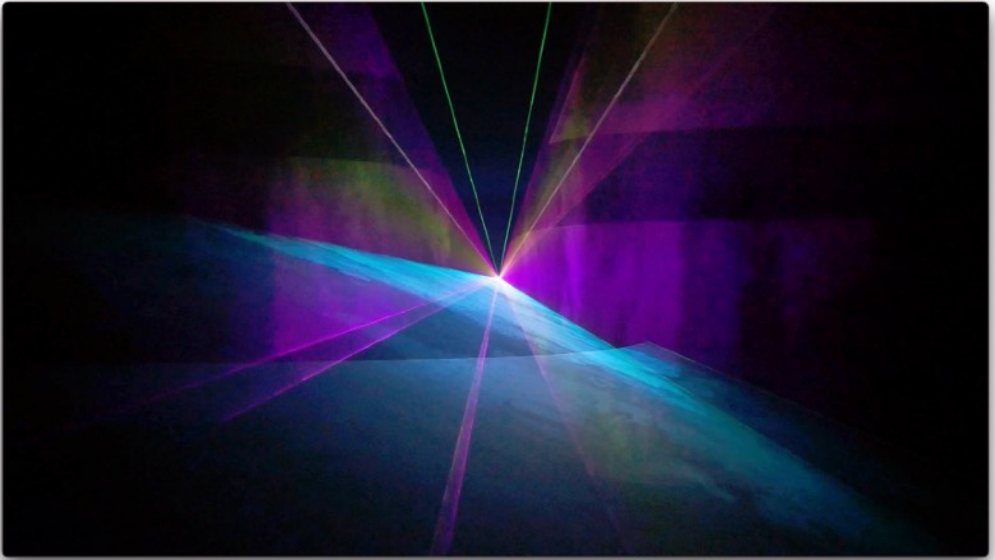
Credits: Show Designer: Janina Bay; Fog Guide: Mario Janzon

Music: Hans Zimmer feat. Lisa Gerrard, "The Wheat", "Now We Are Free (Maximus Remix)" from "Gladiator"

A triumphant, warlike march, accompanied by a gentle play of rainbow beams and swaying, radiant fan effects, opens the beam show "Alea Sharan", based around the grand epic feel of the movie "Gladiator." "Anol shalom" – "now we are free," the vocals then triumphantly ring out, heralding the second half of the show which envelops the audience in a beautiful dance of laser light that feels like a bold celebration of freedom, a warrior's return to peace after a long, arduous life of battle, and a distinct contrast of an upbeat track emerging from the previous solemn atmosphere.

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

Uptown Funk
VisuTek e.U.



Credits: *Programmer: Markus Voggenberger; Camera, Setup and Laser Operator: Helmut Gruber*

Music: *Mark Ronson feat. Bruno Mars, "Uptown Funk"*

This award-winning piece of music was #1 on the US Billboard Chart for 14 weeks and became a worldwide hit single. We tried to capture the power and dynamic of this song and create a rousing and powerful beamshow.

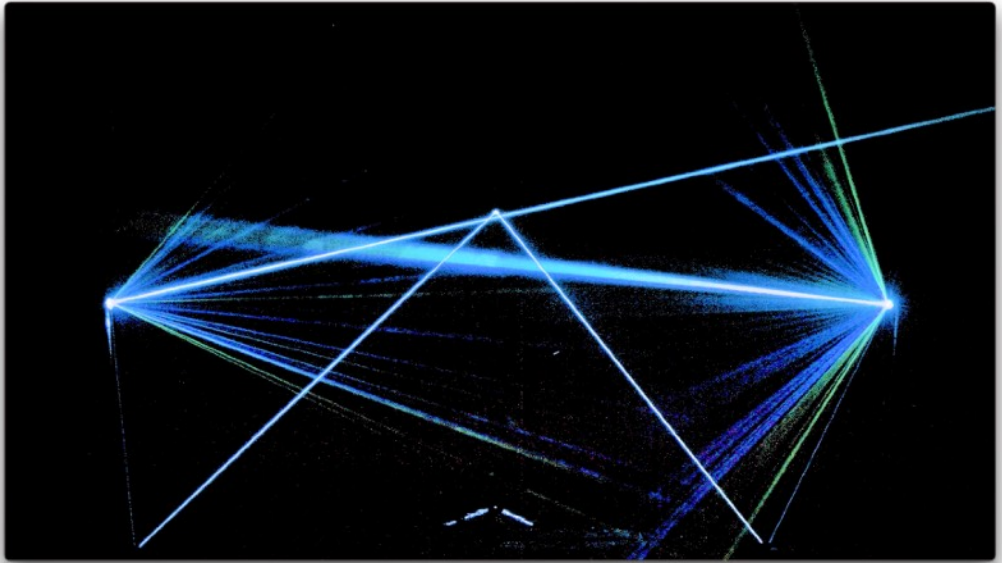
Beams/Atmospherics Show with Add-On Effects

3

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

Angel of Darkness

LOBO



Credits: Show Designer: Roman Schütz; Fog Guide: Mario Janzon

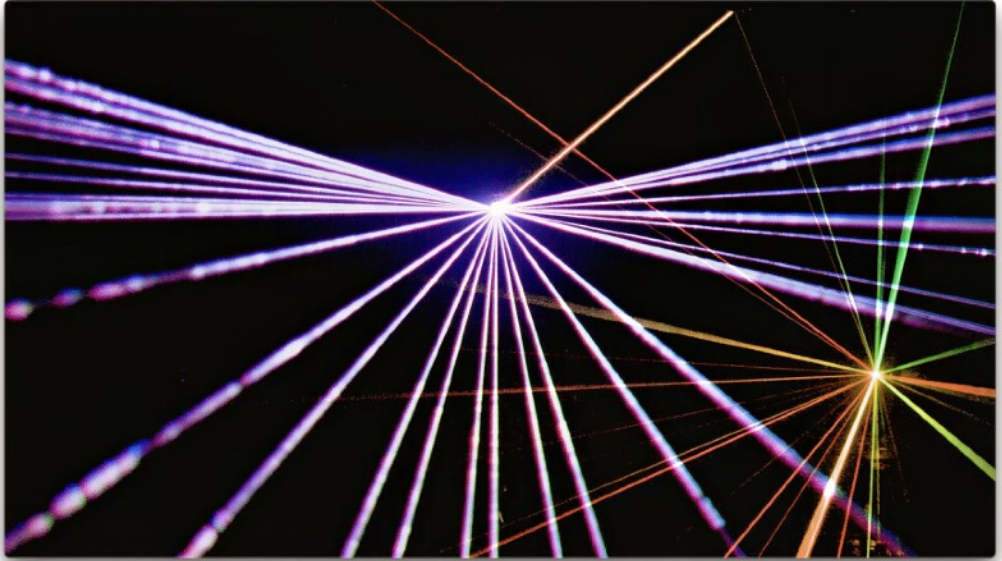
Music: Nightwish, "Walking in the Air"

The "Angel of Darkness" invites the audience on a dream-like flight on laser-light "wings": With the addition of soft, pastel-like colors – including brilliant golden orange, purple and pink hues that resemble the rich colors of dawn – the laser choreography mimics the gentle swaying of waves and clouds, allowing the show to convey a feeling of weightlessness. "Walking in the Air" provides the perfect backdrop to the serene journey. The central laser summons dazzling fans, tunnels and shapes as the "Angel" reaches the show's dramatic climax before soaring away in twinkling laser beams.

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

2

Hurricane LOBO



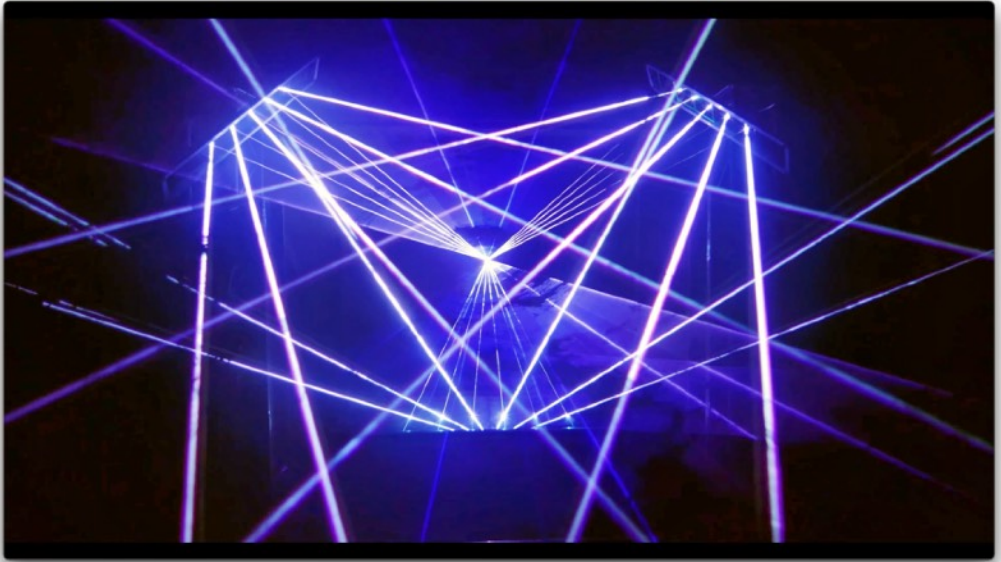
Credits: Show Designer: Florian Skrzypczak; Fog Guide: Mario Janzon
Music: Vanessa Mae, "Storm"

With this beam show set to Vanessa Mae's "Storm" (a cover of Vivaldi's "Summer III") the designer made sure to have "Hurricane" tap into the full potential of the interplay of visuals and the musical theming: Playfully, the laser beams dance along to the initially flighty strings, accompanied by a capricious gale of fans and tunnels, before settling into a more peaceful pace... only to reveal itself to just be the calm before the raging thunderstorm! "The Heavens thunder and roar" with laser effects and mirror-directed lightning in the second half of the show, culminating in a fulminant finale.

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

Beast

Merlin Schaadt



Credits: *Laserdesign: Merlin Schaadt*

Music: *Supreme Devices, "Beast (feat. David Klemencz)"*

Beast is a little freaky and crazy single projector show not following clear lines all the time. Beams coming from every direction, playing with the music and generating an artistic flow. Also the aim was again to break orders and limits and create contrary effects ending up in a symbiosis.

**Beams/Atmospherics Show for
Multiple-Scanner Projectors**

3

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

Expand the Universe

Nathan Jin



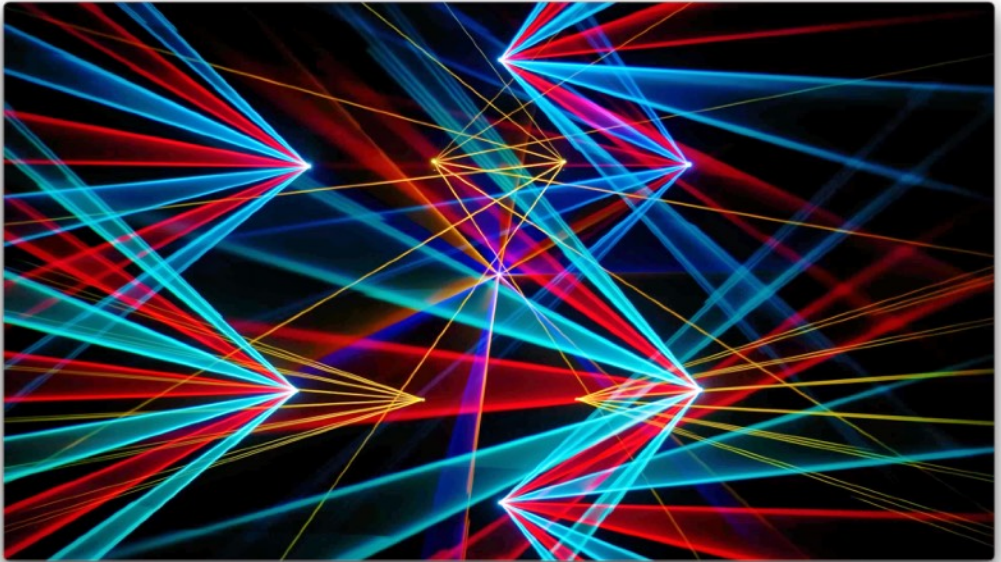
Credits: *Nathan Jin*

Music: *LSDREAM and Gravitrax, "Expand the Universe"*

I wanted to capture the ethereal feeling of floating through space, and the feeling of creating and expanding different shapes as if expanding the mind.

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

Sanctuary
VisuTek e.U.

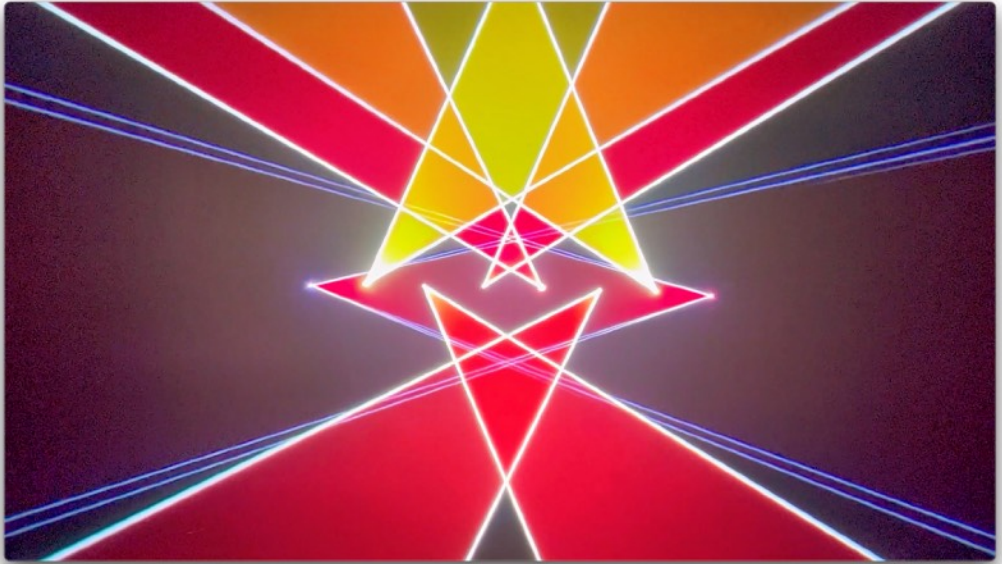


Credits: *Programmer: Markus Voggenberger; Setup and Laser Operator: Stephan Schneider; Camera: Fabian Reinholz*
Music: *Sound Adventures, "Pantheon"*

The focus of this show lies on the configuration of our laser systems, to create some fantastic effects. For this special arrangement we chose the song "Pantheon" from Sound Adventures found on their album "Nemesis." Sound Adventures has become the secret weapon of motion picture companies, television networks, ad agencies, theme parks, and special event coordinators.

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

Breaksh!t
Nathan Jin



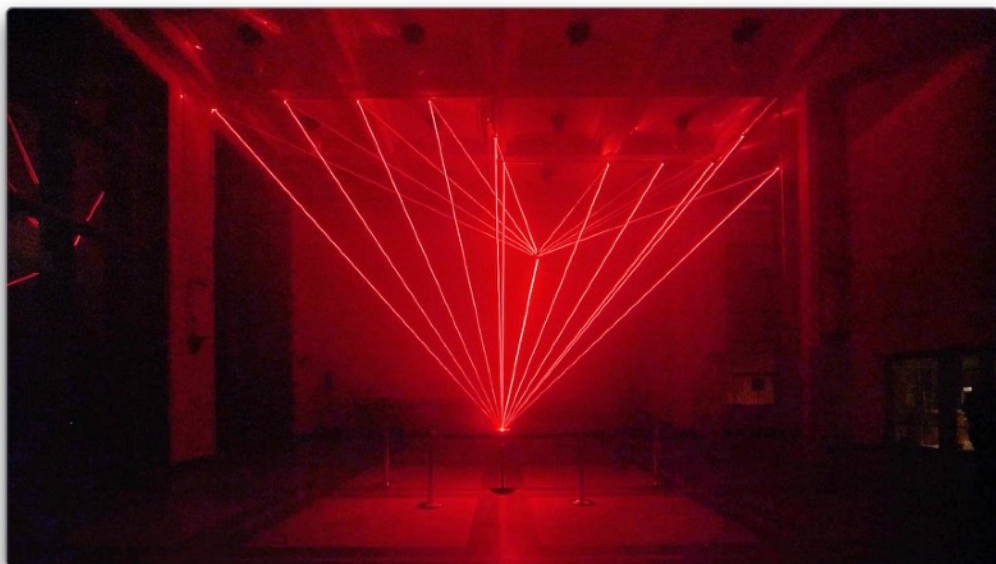
Credits: Nathan Jin

Music: Eliminate, "Breaksh!t"

This song was incredibly epic and I wanted to see how interesting I could get with lasers in a line. I also wanted to have some more freedom in color rather than sticking to a single palette.

Third Place - Fine Art Laser Display

Biela noc 2022 Liine KVANT Ltd.



Credits: Designer, Programmer and Laser Operator: Martin Gabco;
Visual Artist: Bohus Kubinsky; Researcher: Paulina Ebringeroval;
Student: Monika Cejteiova
Music: Lesfm, "Thriller"

Two visual artists and their student invite you to the historical building of the Faculty of Architecture and Design of STU, where they use lasers to prepare an eye-catching light installation, creating a game of lines in space. The monumental beam architecture generates an almost immersive environment and draws visitors into the process of creation, flight and levitation. The installation was during the Biela noc 2022 art event.

Second Place - Fine Art Laser Display

Noor Festival Pulse Of Light Laser System Europe



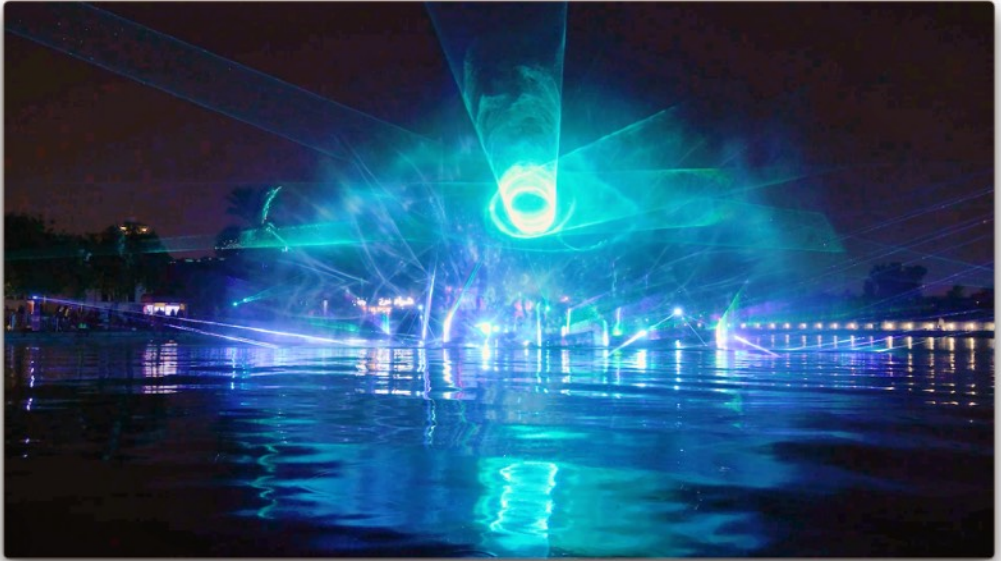
Credits: *Giovanni Laera*

Music: *Zedd, "Clarity"*

The longest distance covered by a laser light show stretched over 6.01 km and the largest laser show (area covered) of 14,459,160 m² was achieved by Noor Riyadh (KSA), in Riyadh, Saudi Arabia on 15 November 2022. Brightening up one of Riyadh's main roads, "Pulse of Light" featured a choreography of light and lasers that emanated from the city's most recognizable buildings. Linking architecture with light, the work was produced specifically for Noor Riyadh, an annual festival of light and art.

First Place - Fine Art Laser Display

Hika-Rakuyo
KVANT Ltd.



Credits: Programmer and Laser Operator: Martin Gabco; Laser Artist: Tomoyuki Soramoto; Visual Artist: Saeko Ehara; concept idea by ETERNAL Art Space

Music: Shuta Yasukochi, "Hika-Rakuyo"

Shapes without reality, which is recognized by continuously overlapping straight lines of light that do not exist in nature. Flowers that exist in the air are reflected in floating mist. Flowers in spring fall in the wind, and green leaves turn beautiful in autumn. With the art of music, this installation presents the two elements Hika (scattering flowers) and Rakuyo (falling leaves) that remind us of an ever-changing state of impermanence and the transience of life. Projection was on water screen. Installation from Noor festival in Riyadh.

Second Place - Innovative Application

Molecular Disrupter MK IV Illuminatus Lasers



Eludium PU-36
Boson Booster

Credits: Designer and Creator: Mike Gould; Engineer, LSO: Wayne Gillis
Music: Yakety Sax - Boots Randolph/Benny Hill for one brief shining moment; Commissioned music by Ken Kozora

The intent was to re-create a 1950's-era ray gun from a B science fiction movie. A mash-up of Roy Lichtenstein and Buck Rogers. We stumbled on a LIDAR unit from a crashed UFO and used that as a template. Our video explains it all.

First Place - Innovative Application

Sestriere 2023 Mountain Mapping Laser Entertainment s.r.l.



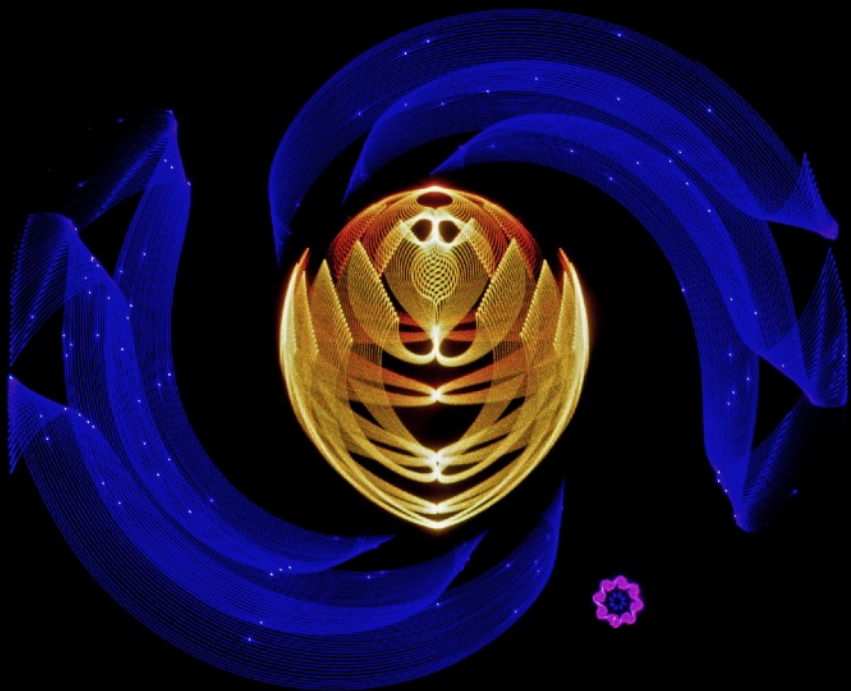
Credits: Lasershow Programmer: Lorenzo Pompei

Music: Various artists

After the success of 2020 we were called again to create a new intervention on these mountains on the occasion of the women's ski world cup races. Obviously we couldn't present the same show, so we planned some new graphic animations and effects.

Third Place - Laser Photography

Spore
Christopher Short



Credits: *Christopher Short*

This is a long exposure abstract photograph. It's from some experimentation I've been doing around abstracts with non-standard symmetries and treating abstracts as objects that might actually exist in physical space.

2

Second Place - Laser Photography

Dickens' Dream David Kumpula

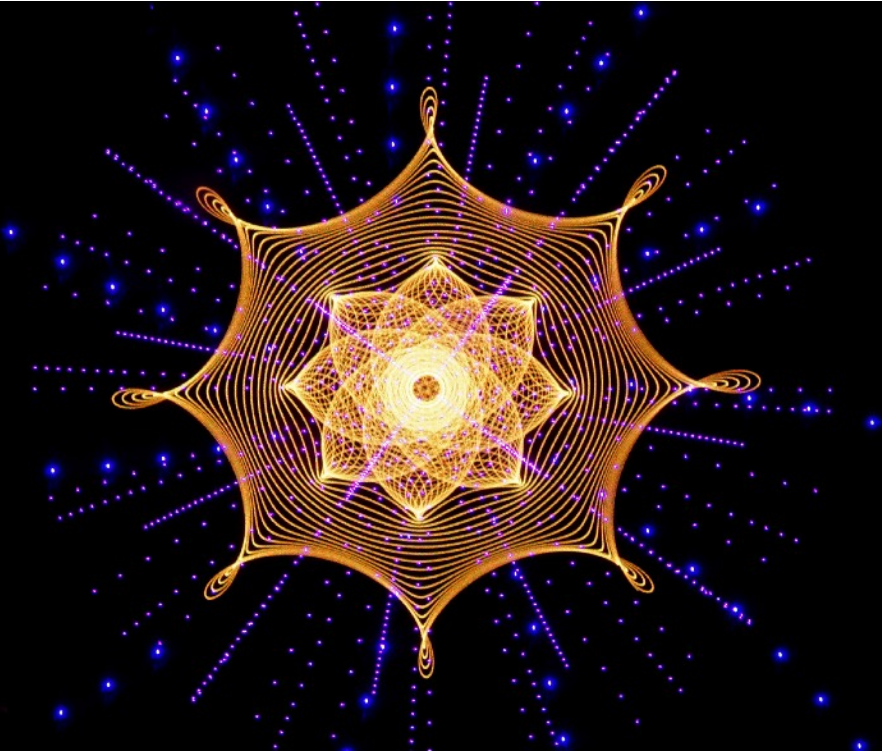


Credits: David Kumpula

The intent was to create an image of a foggy Christmas night in 19th century London reminiscent of Charles Dickens visual imagery. This incredibly complicated glow-in-the dark (GITD) image comprised of sixty-thousand hand-drawn points and reproduced by a single laser projector. Upon completing the GITD background, the laser then projected a complicated visible overlay along with some traditional laser lumia.

First Place - Laser Photography

Golden Lotus
Christopher Short



Credits: *Christopher Short*

This is an example of how math and repeating symmetries can describe shapes that occur in nature. In this case a golden lotus is created by sine waves that change the size relationship between two simple circles. Sacred geometry and nature. It's all the same at the end of the day.

“Laser Jockey” Performance

The Laser Jockey competition was held September 18, 2023 during the ILDA Conference. Attendees viewed the competitors’ live performance, then voted for their favorites. The top three vote-getters received First, Second and Third Place in this category.

Third Place

Dr. Matthias Frank
University of Bonn

Second Place

Darius Sakalas
Laser Production Network (LaserNet)

First Place

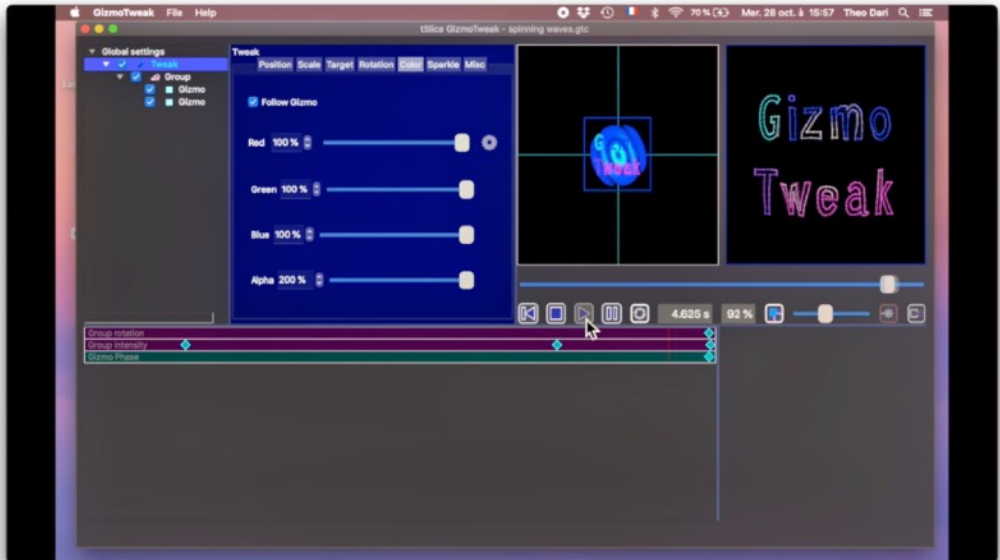
Tim Walsh
Laser Spectacles

Fenning Technical Achievement Award

3

Third Place - Fenning Technical Achievement Award

GizmoTweak Theo Dari Lasermen



Gizmo Tweak is laser effect creation software based on animated graphical guides to automate changes on frames or animations. Gizmo Tweak uses graphical automated objects named Gizmos to guide and visualize changes applied on a frame or a series of frames (animation). Changes are named Tweaks. They consist in modifications calculated per laser point depending on the Gizmo intensity at their position. Gizmos can be combined together in many ways using groups. Groups can be automated, like Gizmos. GizmoTweak accepts ILDA files as input and generated animations can be saved as ILDA files in the commercial version. GizmoTweak runs on Windows, MacOS and Linux. Laser output is made using IDN in Frame Mode.

Second Place - Fenning Technical Achievement Award

Aurora Laser Drones Laser System Europe

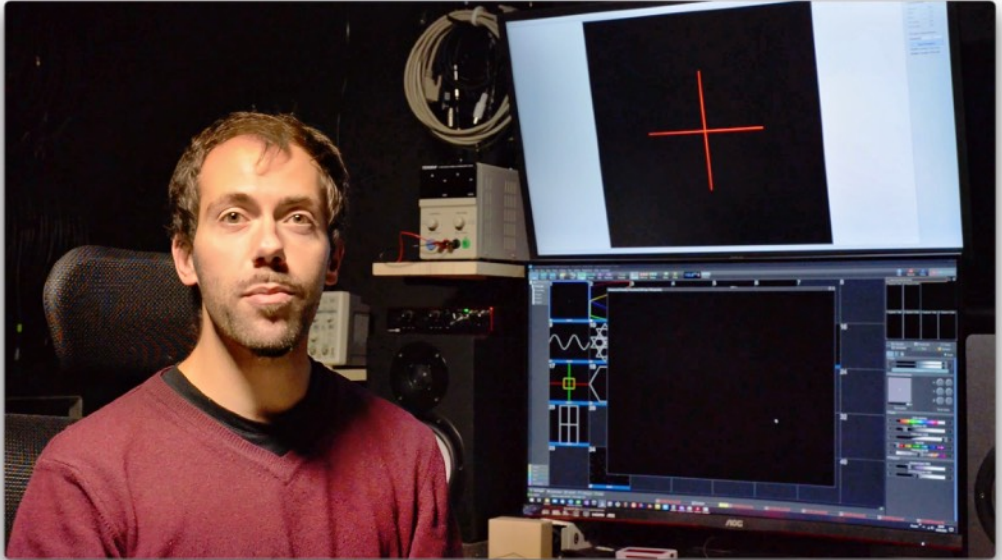


Aurora laser drones are a swarm of drones fitted with a RGB laser of 8W and capable of flying 25 minutes. The drones follow on autopilot a pre-defined choreography made on a 3D software such as Cinema 4D or Blender. The drones and laser are all synchronized with each other through an over-the-air timecode. The laser show can be designed in any software such as Pangolin Beyond or Laser Animation Sollinger's DSP and is recorded inside the laser. We have the ability to simulate the entire show virtually in order to pre-visualize the moving lasers. The drones have all the necessary security system such as geofence, automatic return to home, proximity sensor, OTA e-stops in order to be able to be deployed for public outdoor shows.

First Place - Fenning Technical Achievement Award

Laser Beam Analyzer

Lightdiction



This tool analyzes the spatial frequencies (wavefront) of a laser beam up to 30W. It is connected to a computer via USB and the results are streamed and measured in live on a software interface, to ease the measurements and alignments. One just needs to shoot a beam into the aperture of the device. It can measure the divergence of the beam with a very high accuracy (about 0.01 mrad with monochrome sensors or ~0.02 mrad with RGB sensors). Also, it can optimize the focus of lenses (the best focus being the position with the lowest divergence) and align stacking of diodes or RGB colors with a very high accuracy. Finally, this system works for the full visible spectrum without needing any additional calibration or wavelength setting. It is extremely easy to use.

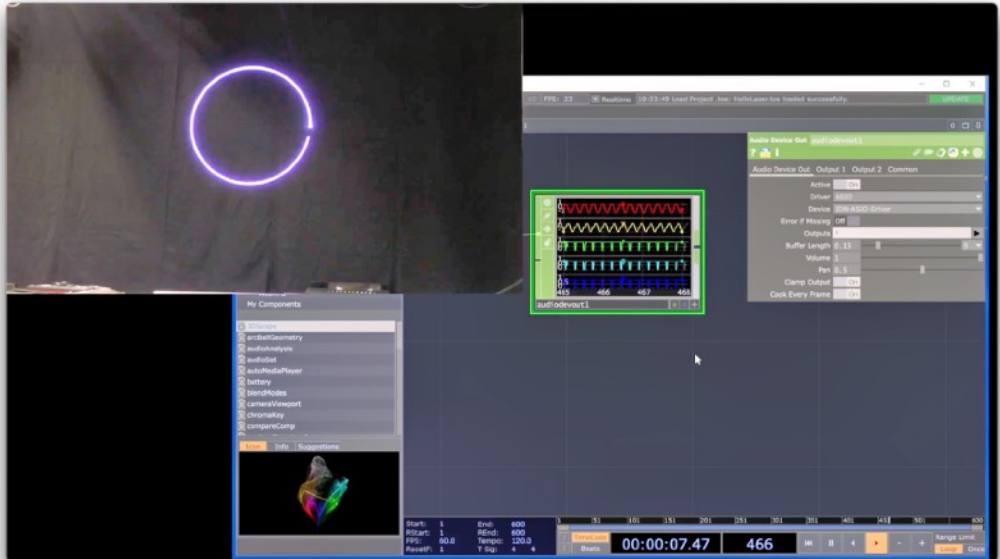
Fenning IDN Standards Technical Achievement Award

3

Third Place - Fenning IDN Standards Technical Achievement Award

IDN ASIO Driver

University of Bonn, Institute of Computer Science 4 (Laser & Light Lab) + LaserAnimation Sollinger



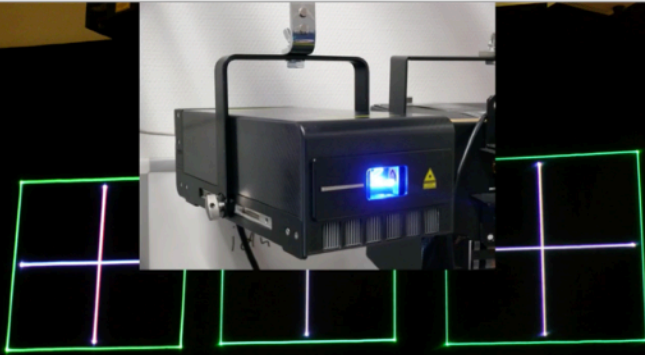
The IDN-ASIO-Driver is an Audio Stream Input/Output (ASIO) compliant driver that can be used by ASIO applications to pass over multi-channel sample data with a fixed sample rate and sample size, which will be converted to IDN (ILDA Digital Network) streams carrying laser or audio stream data to IDN consumers in a local network. The framework around the IDN-ASIO-Driver controls the driver with respect to sample conversion type, IDN consumer (service) selection, and several other parameters. Example applications are LA.player (LaserAnimation Sollinger, playing AIFF files either to AVB or now also to IDN), Reaper (playing ADAT HD24 or other files with audio + laser data to IDN), or TouchDesigner (laser output to IDN).

Second Place - Fenning IDN Standards Technical Achievement Award

2

IDN-Interface Implementation Into a Regular PHAENON accurate

LaserAnimation Sollinger + University of Bonn, Institute of Computer Science 4 (Laser & Light Lab)



One of these is from the new IDN firmware on a PHAENON accurate projector.

The IDN Interface was successfully implemented into a regular AVB - PHAENON accurate. Using our PHAENON accurate hardware which is normally controlled by an AVB data stream we were able to successfully implement the IDN protocol into our firmware. By changing the firmware a regular PHAENON accurate can be used either in AVB or IDN environments. Both IDN modes, frame and stream, are implemented and can be used. Being experts in AVB but novices in IDN the cooperation with Matthias Frank / University of Bonn helped us a lot to do and speed up this implementation. The IDN implementation is in a final bug-free state. As next steps into the future it is planned to extend the IDN-interface implementation also to all LaserAnimation Sollinger products using the AVB compatible mainboard.

First Place - Fenning IDN Standards Technical Achievement Award

1

First Professional IDN-Based Laser Show Laser Spectacles



For the first time, ILDA Digital Network streams were used as the sole signal source for a professional laser show. I was asked to perform a show for the students at a local elementary school. I learned to use a simple Java program called "Parsec" (written by Dirk Apitz) to record and playback all of the pieces in this show. I set up and played the pieces directly into IDN streams which were recorded on my laptop hard drive. At the show itself, setup went as planned with no problems at all. From my experience, IDN proves to be a reliable and easy way to do a complex laser show.

Career Achievement Award 2023 Recipients



Roberta McHatton



Roberta McHatton has been providing laser safety consultation since 1995. As an active member of several safety standard organizations, Roberta McHatton is a leader in laser safety.

Laser Safety Services LLC works within the laser industry to create laser safety guidelines/standards and increase laser safety awareness worldwide. LSS is particularly well known for its extensive work with entertainment lasers, an industry that can pose a high risk of potential exposure to the general public.

From 1995 to 2005 she was Director of Production/Technical Services and Laser Safety Officer for Laser Fantasy International (LFI), where she handled all aspects of laser entertainment applications for national and international installations and shows.

Since 2005 she is co-owner of Laser Safety Services LLC (LSS). She has provided outdoor laser safety training for the Federal Aviation Administration (FAA) and Transport Canada as well as members of SAE G-10 committee. Roberta is often consulted by government agencies and other laser companies when laser safety issues are of concern.

Roberta's company handles the laser safety needs for laser companies that provide lasers for live televised productions such as the iHeart Music Awards, America's Got Talent and the Grammys. Roberta has overseen all aspects of laser safety for touring artists including Metallica, Ariana Grande, Katy Perry, Queen, Electric Daisy Carnival, Shambala, Shpongole, Burning Man, Pet Shop Boys and Muse, as well

as corporate events such as SalesForce, Microsoft, Boeing. Roberta assists a wide variety of laser manufacturers of laser shows and/or laser entertainment projection systems.

Aside from participating in the creations of standards publications such as ANSI and SAE, Roberta has authored several articles on laser safety, such as Photonic Spectra and most recently for the Event Safety Alliance. Copies of these articles are available upon request.

Roberta is co-author of a laser safety book with Ken Barat, PhD, CLSO, titled “Laser Safety for the Light Show & Projection Industry”. This book was published in 2018, as a useful manual for the entertainment/display industry.

She is a member of numerous American National Standards Institute (ANSI) laser safety-related committees, and works with the SAE G10-T Laser Safety Hazards committee on outdoor laser safety. She is a member of the Event Safety Alliance, having written the section on laser safety in ESA's guide book.

Within ILDA, Roberta was elected to the Board of Directors in 2017 and reelected in 2019 and 2021. Roberta is an active member of the Laser Safety Committee, the Ethics Committee and the U.S. Regulatory Committee.

Previous ILDA Career Achievement Award Recipients

1989	2004	2011	2017
Ivan Dryer	Patrick Murphy	Stephen Heminover	Alex Hennig
1990	2005	2012	2018
Seiji Inatsugu	Michael Roberts	Tom Harman	Glenn Thomas
1991	2006	2013	2019
Floyd Rollefstad	Doug McCullough	Pavol Kubošek	Alberto Kellner-Ongaro
1992	2007	2014	2020
Jennifer Morris	William R. Benner, Jr.	Tim Walsh	Christine Jenkin
1993	2009	2015	2021
Robert Mueller	Greg Makhov	Dirk Baur	Fred Fenning
<i>(not awarded 1994-2003)</i>	2010	2016	2022
	Lothar Bopp	Dr. Alexander Timofeyev	Casey Stack

Walter Meador



On September 13, 2023, the ILDA Board of Directors unanimously voted a 2023 ILDA Career Achievement Award for Walter Meador. This was done because Walt was in poor health, and the Board wanted him to know ILDA appreciated his contributions and career. This is the first time there has been two CAA recipients in the same year.

Walt Meador is a Founding Member of ILDA, having attended the first meeting in August 1986.

He ran a number of companies including Laser Rentals Inc. and Lightspace USA.

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