

2006 ILDA AWARDS

PRESENTED 11 MARCH 2007 IN CHINA

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ARTISTIC AWARDS

2006 BEAMS/ATMOSPHERICS

FIRST PLACE

**“Melody of the Dragon Boat”
HB Laser, Germany**

Presented in Laser (LD2000)

Credits: Show Designer – Timo Feifel
Art Director – Dirk Dudek

Music: “Melody of the Dragon Boat” – artist unknown

This show was created as part of a multimedia show installation in the biggest cave of China, the Teng Long Cave (approximately 3000 visitors a day, seven days a week).

The Melody of the Dragon Boat is a traditional folk song of the native Chinese people. As a matter of fact, it has been named as one of the 25 excellent folk songs in the world as listed by UNESCO.

This song is well-known across the whole Chinese country in countless different versions. We use the version which we received from our Chinese local partners.

SECOND PLACE

**“Arabian Night”
LOBO electronic GmbH, Germany**

Presented in Video (DVD)

Credits: Designer - Roman Schuetz
Creative Director - Alex Hennig

Music: Protec

The music of Arabian Night has been produced by Protec for a laser animation on the occasion of last year’s inauguration of the Sultan Bin Abdulasiz Science Center in Al Khobar.

Basing on this music, LOBO produced this beam spectacular especially for the PALME trade show in Dubai and for the new animation show “Arabian Dream”.

THIRD PLACE

“End of War” MediaLas GmbH, Germany

Presented in Laser (Mamba)

Credits: Artist – Tobias Gebur
License Holder – MediaLas
Software – Mamba Black

Music: “End of War”

“End of War” was programmed on Mamba Black lasershow software. By using a large number of tracks, there are many beautiful effects included, which go beyond the usual and transports the viewer into a mellow and smooth lasershow experience.

2006 GRAPHICS SHOW

FIRST PLACE

“Arabian Dream” LOBO electronic GmbH, Germany

Presented in Video (DVD)

Credits: Idea and Design - Alex Hennig
Cell Animator - Bella White
Backgrounds - Iris Schua
Scanline Effects - Roman Schuetz
Cell Digitizing - Bea Schaefer, Julia
Special F/X Software - Sebastian Lange, Werner

Music: “Arabian Dreams” – Claudio Hirshfeld
Sound Design – MO’Vision

Arabian Dream is probably the most sophisticated laser animation show ever leaving the LOBO studios. Classical hand-drawn content harmoniously mixed with 3D laser animation rendered in Maya and native 3D laser animations, as well as especially

programmed special effects (e.g., for color manipulations) make this show a unique experience.

The story is about a young man who finds himself after a storm at the shore of a small island. There he finds a mirror showing the face of a beautiful girl. A genie in a bottle helps him to cross distance and time, to find her in a hidden chamber on top of the Burj-Al-Arab hotel in Dubai.

The stories of Aladdin and Sinbad as well as the typical look of stories of 1001 Nights were the model for the show. It took more than one month, just to develop the characters. A lot of time has been invested in the look, the movements and the facial animation of the genie.

Although this originally has been made for the PALME trade show in Dubai, the show has proven in rental business to be a multi-purpose show for all ages.

SECOND PLACE

“Europe-China 2008” Railroad Trip Orion-Art Productions, Russia

Presented in Video (Mini-DV)

Credits: Created, directed and programmed by Alexey Panin

Music: “Railways Song”, A. Pakhmutova

This exhibition show presents the trip from Europe to the China Olympic Games by means of Russian Railroads. Many points of interest which could be visited along the way are presented.

THIRD PLACE

“El Pecado” HB Laser, Germany

Presented in Laser (LD2000)

Credits: Show Designer – Jan-C. Friedrich

Art Director – Dirk Dudek, Christian Kaiser

Music: Unknown

The idea was to design an amazing graphic show with many erotic touch. A tightrope walk between eroticism and pornography. No simple-minded cliché pictures. Eye-catching laser animation to start the real story in the mind of the audience.

HONORABLE MENTION

“The 12 Days of Christmas” Lasertainment Productions Inc., USA

Presented in Video (DVD)

Credits: Artist/Producer/Creative Engineer - Josh Ackerman

Music: “12 Days of Christmas” - Reliant K

Almost every year we do a Christmas-themed show. We wanted to add to our song list this year, and we came across this song. We wanted it to be a fun song. We used some wordplay with this song, as you will see, making it fun for those young and old. Even though this song can stand alone, it is currently part of a bigger show, showing it can be used for a variety of different applications.

It was first used on our 2006 Christmas show that started in late November and runs to a couple of days before Christmas.

2006 ABSTRACT SHOW

FIRST PLACE

“Sing Sing Sing” Laser Show Design, Inc., USA

Presented in Video (DVD)

Credits: Director – Doug McCullough

3ds max Programmer – Carl Graves

Laser Programmer – Jeff Hwang

Music: “Sing Sing Sing” – Benny Goodman

This piece was designed purely to be “visual music” for this song. It features an Art Deco graphic style that was popular when this song came out in the late 1930’s . . . best exemplified by the abstract films of Oskar Fischinger. Just like the music, it really swings!

2006 BEAMS AND SCREEN SHOW

FIRST PLACE

**“Summernights 2006”
LOBO electronic GmbH, Germany**

Presented in Video (DVD)

Credits: Cells – Bella White

Digitizing – Beate Schaefer

Beams – Roman Schuetz, Iris Schua

Pyro Effects – Innovative Pyrotechnik

Technical Director – Ulrich Berger

Setup Supervisor – Bernd Noss

Local Crew – Martin Malorny, Iris Schua

Audience Coach – Patrick Winter

Creative Director – Alex Hennig

Music: “Let Me Entertain You” – Robbie Williams

“Let the Sunshine” – Milk & Sugar

“Music” – John Miles

“MacArthur Park” - LSOP

For the fifth year running, the Holiday Park staged the largest laser show in German summer.

The show is the highlight of the so-called “Summernights.” After sunset a large laser show is presented in the Aqua Stadium at a large artificial lake which is normally used to stage a water ski show.

A lot of work has been invested in a short animation part presenting all key attractions of the park. It consists of extremely detailed 3D animation sequences presented on the floating Spray Water Screen in the center of the lake.

A unique feature of the show is interactive elements embedded into the show. The goal was to make passive spectators an active and integral part of the show.

Before the show, a presenter instructed the audience how to perform certain actions, such as waving hands, jumping in the air, shouting, clapping, and much more. During these instructions, suddenly the lights were turned off and the audience found itself in the middle of the show, surrounded by laser light. A laser-projected character then led the audience in performing the actions.

From the technical side, the frequent changes between projections on the screen and atmospheric beam effects required that fog arrived and vanished with the accuracy of less than a second over an average distance of 150 meters. This was made by a computer-controlled ring of 18 fog machines and wind generators.

SECOND PLACE

“Samsung Ultra Roadshow” Laser Entertainment srl, Italy

Presented in Laser (LD2000)

Credits: Digitizing and editing – Lorenzo Pompei

Music: Mix medley from different artists

This show was created for the launch of the new compact and ultra-slim design cellphones “Ultra” by Samsung.

The show was presenting the product composition with laser graphics, rear-projected onto a gauze net screen, until the product was physically presented with a reveal appearing onto three different columns (through three motorized elevators, all synchronized with the show and lights). Dancing company Katakio artists were involved with the finale of the show with beams and graphics. (This last part could not be displayed onto the CD-ROM).

THIRD PLACE

“Nespresso ‘Le Cube’ Presentation ” Laser Entertainment srl, Italy

Presented in Laser (LD2000)

Credits: Digitizing and editing – Lorenzo Pompei

Music: Mix medley from different artists

The show was created for the launch of the new compact design coffee machine “Le Cube” by Nespresso.

The show was presenting the product composition with laser graphics, rear-projected onto a gauze net screen, until the product was physically presented with a reveal appearing onto five different columns (through five motorized elevators, all synchronized with the show and lights.)

2006 NIGHTCLUB/DISCO SHOW

FIRST PLACE

“Heavens Mood”

Tobias Gebur, Germany

Presented in Video (WMF file)

Credits: Tobias Gebur

Music: “Sleeping Sun” - Nightwish

This show was designed for a nightclub. It was shown on New Year’s Eve and should make the audience a bit reflective about the last year.

Although the song isn’t like normal clubsound, it draws exactly this special spirit.

SECOND PLACE

“Dance”

HB Laser, Germany

Presented in Laser (LD2000)

Credits: Show Designer – Michael Stachorski

Art Director – Dirk Dudek

Music: Goleo VI presents: Lumidee vs. Fatman Scoop “Dance!”

This show was created within the monthly software contract for our customers. We selected this show for an entry because of the most positive feedback we got from our customers and their audience. The soundtrack was also proposed by our customers.

THIRD PLACE

**“Electronic Beats”
LOBO electronic GmbH, Germany**

Presented in Video (DVD)

Credits: Designers – Stephan Noesges
Creative Director – Alex Hennig

Music: “Our Darkness” – Anne Clark

Stephan was a student of media technology participating in LOBO’s internship program. He was always extraordinarily passionate about what he was doing. It is hard to believe, but what you see on the video is the very first show he created.

When he started the project, he vanished in the studio and was not seen for two weeks. The final result interprets the music in every detail and with a lot of variation. In addition, he enriched the show with some basic lighting effects.

The show has been produced for the LOBO software contract. It premiered at many discotheques at the same time.

HONORABLE MENTION

**“Digital Life”
LOBO electronic GmbH, Germany**

Presented in Video (DVD)

Credits: Beams – Peter Wild
Creative Director – Alex Hennig

Music: “Living on Video” - Ratty

This show was the very first laser production of LOBO’s new show designer Peter Wild. Just a few weeks at LOBO, it took him only a few days to design this impressive show using a total of 10 laser projectors.

The show has been produced for the LOBO software contract.

2006 LASER PHOTOGRAPHY

FIRST PLACE

**“Mercedes-Benz Star”
LOBO electronic GmbH, Germany**

Credits: Alex Hennig – Photographer

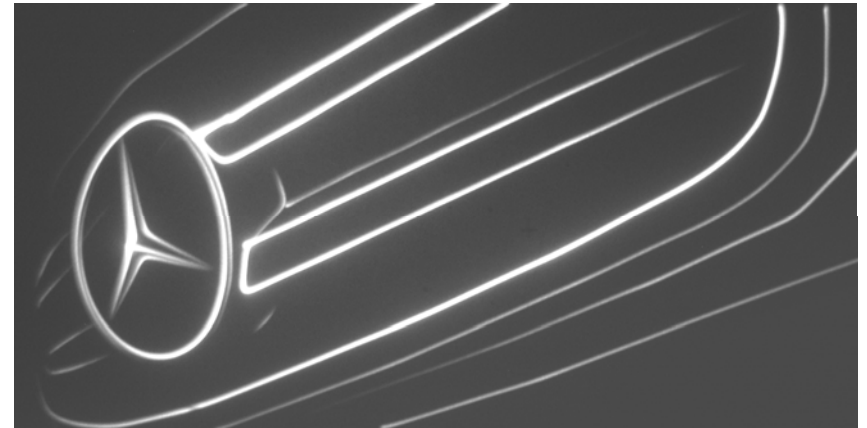


Photo copyright LOBO Laser and Multimedia Systems, Aalen, Germany

This studio shot has been made as a promotion for Mercedes-Benz. A laser image with smoothly fading lines, projected on a partially backlit screen, creates a unique three-dimensional effect.

2006 LASERS USED IN VIDEO/FILM

FIRST PLACE

**“Don’t Cha (Heineken Light)”
Image Engineering Inc., USA**

Presented in Video (Mini-DV, WMF file)

Credits: Artistic Director – Amy Case

Associate Programmer – Heather Stickell

Technician/On-Site Coordinators – Jason Green and Amy Case

Music: “Don’t Cha” – Originally performed by the Pussycat Dolls

Heineken Light’s vision of a sexy new beer, marketed towards the video generation, included laser effects designed by Image Engineering. On-site coordination and preliminary looks were worked in conjunction with AVSO of New York City to create the advertisement that now shows in the United States and has a Latin American version.

2006 INNOVATIVE APPLICATION

FIRST PLACE

**“Live in the Box!”
Omicron-Laserage Laserprodukte GmbH, Germany**

Presented in Video (DVD)

Credits: Idea – Sonke Baumann

Artistic and technical director – Ralf Schlotter

Micro trussing and stage manager – Carlo Westphal

Nano instruments and cargo box design – Markus Oeffinger

Special electronics – Dieter Dinges and Markus Niestroj

Laser programming and video – Ralf Schlotter

Music: “Living in a Box” – Living in a Box

Since it is always a challenge for laser show companies to effectively present their artwork on a small and affordable trade show booth, we thought about how to manage this for an exhibition in 2005 in Berlin.

How to pack a fantastic, amazing, emotional “want to have” show on a 12 square meters booth?

Just show it all!

And scale down the venue!

After this idea was born, you can imagine, employees turned into children and the studio changed into a playroom for about three months.

We decided to build the stage on a scale of approximately 1:20 so the event hall should have an area of 2 square meters fitting in a selfmade cargo box.

Of course there was a lot of work, since we definitely didn’t want to present a basic lasershow.

- People started to solder trusses by hand out of small brass sticks
- Par 64 spotlights were created by the help of M5 nuts and high power LEDs
- Micro-sized Marshall towers, synthesizers, loudspeakers and mixing consoles came into being
- A 15” TFT-monitor turned into an LED videowall where three pairs of laser scanners were mounted beside and above
- There needed to be motors to pan the drummer’s trussing cube and to rotate the two small mirror balls we found in a gift shop
- Last but not least, a gigantic lasershow needs – say what – of course, a water curtain! A window box mounted under the floor, an aquarium pump, and a small pipe full of holes will help.

OK, we had the equipment together to create a very nice multimedia lasershow, but still something was missing! Who is joining the concert?

Thanks to eBay, two weeks later we recruited an audience out of approximately 1000 Playmobil® figures.

I promise you this was the best time we had in our working life!

SECOND PLACE

**“Hey St. Peter”
MediaLas GmbH, Germany**

Presented in Laser (Mamba)

Credits: Artist - Torsten de Buhr

Software – Mamba Black

Music: “Hey St. Peter” – Disco Boys

“Hey St. Peter” was created to show the tremendous animation and color manipulation capabilities of Mamba Black lasershow software. The entire show was programmed only on the timeline with animating tools and color wheel translation. Only one single frame, a white circle, was used during the entire show. By carefully manipulating this one frame, a powerful show was created by the artist, which took about five days to complete.

Furthermore, this piece shows the enhanced output algorithm for brightness enhancement by decreasing blanking time between frames to a minimum. This increases the laser projector’s efficiency, compared to other software packages on the market.

2006 LIVE STAGE PERFORMANCE

FIRST PLACE

“Asian Games 2006 – Opening Ceremony” LOBO electronic GmbH, Germany

Presented in Video (DVD)

Credits: Designer - Alexander Hennig - Designer
Project Manager - Stephan von Olearius
Technical Director - Ulrich Berger
Mechanical Design - Neinz Holzner
Stage Management - Nick Newey
Laser Technician - Martin Malorny
Director - David Atkins
Logistics - Bernd Noss

Performers: The Boy- Abdulla Mohammed Abdulrehman Mohammed Abdulla
Dancers - Enana Dance Theatre, Jollanar for Dance

Music: Composer - Faisal Al Tamimi
Arranger - Christian Steinhauser
Musicians - The Guangzhou Symphony Orchestra

10,500 athletes from 45 Asian and Arabian countries met for the 1th Asian Games in Doha. Like the Olympics organized by IOC, it is the second-largest sporting event after the Olympic Games. Its opening ceremony, design by none other than David Atkins – the creator of the Sydney Olympics opening ceremony – was a big bang with

many superlatives; for example, the world's largest LED video screen and the most sophisticated and challenging use of lasers at any Olympic event so far.

It was the biggest show the Middle East has ever seen. The show was watched by 50,000 spectators in the stadium and 3 billion viewers on TV.

At the start of the ceremony a little boy was introduced as the hero of the show. He was standing on a telescoping pillar made of aluminum rising from a central lift in the center of the field of play.

As the boy speaks the words "Qatar will always be free," he is suddenly surrounded by thousands of bright, gleaming laser beams. Just seconds later, sparkling laser effects shoot out of the platform he is standing on in every direction. Finally, the projectors create a veil of laser light. Then the stadium seems to transform into a pool of glistening water.

The scene used six laser projectors, fed by glass fibers from a whitelight laser system providing a total power of 94 Watts.

In spite of a heavy storm (most flying scenes had to be left out), the ring of twenty 9 kW fog generators around the field of play as well as the eight 2.6 kW fog machines inside the lift and the pillar, created enough fog to see the laser effects well on TV and inside the stadium.

SECOND PLACE

"Statoil"

LOBO electronic GmbH, Germany

Credits: Design/Creative – Roman Schuetz
Project Manager – Stephan von Olearius
Director – Oddvar Ruhd
Concept – Alex Hennig
Technical Director – Ulrich Berger
Laser Technician – Martin Malorny

Music: Various

Probably the Grieghallen in Bergen have never seen a more spectacular show in their history. With dozens of musicians, world-class artistry, LED screens and sophisticated stage effects, the Norwegian oil company Statoil inaugurated a new oil pipeline distribution network, feeding five different countries. Within a speedy show, each country was presented with its own typical show element.

The concept was the display of virtual pipelines of laser light. It started when the audience entered the venue and walked through an endless-seeming laser pipeline. This was made possible due to extreme scanning distances which made the "pipeline" look almost parallel.

Each time a new country was presented within the show, a “laser pipeline” originated in a large model of an oil rig and finally linked it to one of the movable LED screens above the stage, each representing one of the five countries.

At the end of the show, a giant full-portal screen came down for the spectacular projection of the Troll platform, with a height of approx. 500m, one of the largest offshore oil rigs in the world. One of the most amazing effects within this animation was the laser searchlight effect in the beginning of the animation sequence. Thanks to the projection of a tiny star, it looked like the laser starburst on the well-known laser warning stickers.

2006 MULTIMEDIA

FIRST PLACE

“Spirit of Dancing”

LOBO electronic GmbH, Aalen, Germany

Presented in Video (DVD)

Credits: Design/Creative - Alex Hennig
Black Light Artist – Renate Mitsanas
Dancer – Kurt Daibenzeiher
Scanline Dancer – Claudia Isele
Setup – Martin Malorny
Motion Capturing - Jochen Boom
Video Editor – Peter Wild

Music: “Message from Mumbo Jumbo” – Brend Lewis
“Real Love” – Massari
“Slow” – Kylie Minogue
“Sweet Dreams” - Eurythmics

With this multimedia dance project, Iris Schua pursued the goal to create a new and unique look by developing new production workflows for animation shows and multimedia presentations. Iris was absolutely free in the design of the show, and so created a unique multimedia performance bundling many different creative and technical approaches.

The show is about dance. It shows all facets of dance, be it its archaic roots or its erotic appeal. As Iris did not want to serve voyeuristic tendencies, she decided in her video projections to go for a blacklight style. This also harmonized very well in regard to contrast and color with laser projectors. Thus eroticism was just indicated, leaving it to the imagination of the spectator. These “conventional” video projections have been produced in the LOBO studios.

As natural movements are key criteria when it comes to stage a convincing dance show, all laser characters have been modeled in the 3D software Maya and then have been animated with motion capturing techniques. For this purpose the movements of a professional dancer were optically captured in a special motion capturing studio. The movements were then transformed to the 3D character in Maya and rendered with LOBO’s Maya2Laser plug-in renderer. With color effects applied in LACON-5, the characters got their flame-like appearance.

A lot of time has been invested by Iris to set up the final look of the show in the studio. Thanks to layering several transparent scrims and water screens, the show features some overwhelming spatial projection effects.

SECOND PLACE

“Troika-Dialog” 15 Years Orion-Art Production International, Russia

Presented in Video (Mini-DV, WMF file)

Credits: Production – Orion Art Production International (all the technical tools except the barge)

Directed by: Victoria Rakhlinkaja, Alexander Timofejev, Dmitri Orlikov

Laser design – Alexey Panin

Video production – Sergey Mironov

Pyrotechnics design – Dmitry Orlokov

Sound design – Alexey Malishev

Music: “Terminator” soundtrack

“Romeo and Juliet” soundtrack

This open-air show is devoted to celebrating the fifteenth anniversary of “The Troika – Dialog”, the biggest Russian investment company.

THIRD PLACE

**“SIB 2006 Rimini”
Laser Entertainment srl, Italy**

Presented in Video (Mini-DV, WMF file)

Credits: Show concept idea and show producer – Alberto Kellner
Laser graphics and effects digitizing and synch: Lorenzo Pompei and Mauro Comendulli
Soundtrack mix editing: Nicholas Di Fonzo
Slides images compositions and Stark sequence programming: Danilo Varzè
Video graphics onto inflatable sphere by Stephen Harvey of LM Productions, England
Laser hardware set-up by Patrick Awouters of LSE Belgium
Fountains by Michel Amman of Ice Group France
Fireworks by Parente Fireworks
Music: Different artists medley mix

This show was created for the Rimini exhibition show “SIB 2006”, one of the largest industry exhibitions in the world.

The show was to display to professional users the possibilities and the “State of the Art” that the technology of lasers and multimedia shows could reach nowadays with the use of solid state lasers, large display images, water fountains, laser and video onto inflatable sphere screen, waterscreens, fireworks and special effects.

The entire show was synchronized to a soundtrack with SMPTE time code and was controlled by Pangolin.

2006 ILDA ARTISTIC AWARDS JUDGES

Friedrich Foerster, Henrik Turzer, Richard Gonsalves

Judging Coordinators - Peter Mayer, Dirk Baur
Judging Facilities and Hosting - MediaLas GmbH



TECHNICAL AWARDS

2006 FENNING AWARDS
FOR TECHNICAL ACHIEVEMENT

FIRST PLACE

“PASS – Professional Audience Safety System”
Pangolin Laser Systems, USA

Credits: System concept and hardware/software design – William R. Benner, Jr.
Hardware circuit board layout – Ante Uglesic
Real-time computation of the “S coordinate”- Valery Furmanov
System integration with LivePRO – Alexey Sinitsyn
Development assistance and testing – Greg Makhov

PASS is a combination hardware/software system, which, when used with the proper laser projector setup techniques, can guarantee the safety of Audience Scanning laser shows.

PASS has been vigorously reviewed by numerous laser safety consultants, and a projector that uses PASS technology has recently been awarded a CDRH variance, thus allowing audience scanning to take place even in the United States.

SECOND PLACE

“Lightcube 12W DPSS Air-Cooled Laser”
HB Laser, Germany

A DPSS laser system, air-cooled, 12.6W whitelight specified. Typical output 14.8W. Compared to usual gas lasers of this class, the LightCube 12 RGB offers a much better color balance due to an advanced color spectrum of 457nm to 655nm.

Up to now, there has always been a large frame laser with water cooling and high voltage current required to use a lasersystem with a 12 watt output power. Due to our new LightCube 12 RGB we are in the position to organize big outdoor events with only one single-phase 230 VAC power supply and air cooling.

THIRD PLACE

“NETLASE Lasershow Interface Board” Mueller Elektronik, Germany

An interface board, using standard TCP/IP network connection as communication media, to provide standard ILDA signals and additional signals such as TTL outputs and DMX for a laser projector.

The board can be mounted into the laser projector, eliminating long analog signal cables. Netlase can be used in any computer system running any operating system. By setting an IP address via DIP-switch, multiple interfaces can be controlled by the laser show software.

An SD-card slot allows the board to run as a standalone playback board.

2006 FENNING AWARDS JUDGES

Tim Hallmark, Ted Smith, Casey Stack



VOLUNTEER AWARDS

2006 CERTIFICATES OF APPRECIATION

**Awarded for exceptional service
to the International Laser Display Association**

John Birchman

For creating and administrating the ILDA Forums

Hayden Hale

For continuing assistance with the ILDA Awards Banquet

Jim Hardaway

For hosting the 2007 ILDA Conference

Richard Maddock

*For work in the area of protecting ILDA copyrights online,
and in helping develop a proposed Code of Business Practice*

Peter Mayer

*For “above and beyond” work on the Ethics Committee,
support of ILDA Membership in ASAE,
and coordinating the 2006 Artistic Awards judging*

L. Michael Roberts

*For assistance on the 2006 ILDA Conference site selection
and Conference arrangements*



**CAREER
ACHIEVEMENT
AWARD**

2006 CAREER ACHIEVEMENT AWARD

DOUG MCCULLOUGH

Inspired by the music of The Beatles, Walt Disney's "Fantasia", Stanley Kubrick's "2001: Space Odyssey", and a host of cultural events of the 1960s, Doug McCullough began creating psychedelic light shows for rock concerts in 1968.

His first use of coherent light was in 1970 when he created lumia effects with a Helium-Neon laser in a multi-media performance with avant-garde electronic musician Morton Subotnick. In the mid-1970s, he formed Audio Visual Imagineering (AVI) as a sole proprietorship. In 1978 he first used high-power Krypton/Argon laser effects for multi-media presentations. In 1979, he fulfilled a lifelong ambition of performing light shows in a planetarium theater with the opening of "Laserdrive" at the Miami Space Transit Planetarium.

Doug concentrated in the 1980s on developing the potential of laser light shows. One of the first uses of computer laser graphics was in 1982, when he introduced sequential laser animation in a planetarium light show titled "Visual Music". He also pioneered thematically mixing abstract and graphic imagery in laser show choreography. Doug's shows at New York City's Hayden Planetarium (which include "Laser Floyd", "Laser Zeppelin", and "Laser Beatles") were legendary.

In addition to planetarium shows, Doug worked on corporate meetings and special events, producing laser presentations for numerous high profile clients. For the corporate market, he developed generic laser "modules" for meeting openings, closings, speaker introductions, coffee breaks, product reveals, etc.

At AVI, Doug innovated the extensive use of scanned mid-air beam effects with no "bounce" mirrors. This "look" of two lasers creating crisscrossing scanned mid-air beam effects has since become an industry standard.

In 1987 Doug helped closely with the founding of ILDA; he served on the original Ethics Committee. Over the next 17 years, he and his team at AVI received numerous ILDA Awards for "hands-on" work in creative show production. In fact, in total number of ILDA Awards received, AVI has won more than any other company save one.

In the early 1990s, Doug co-invented a 360-degree laser projection system for planetariums known as Omniscan. He also was the first to develop 3-D laser shows using the ChromaDepth technique. In 2000, Doug created the first all-raster laser show done with standard laser scanners. His ILDA Award-winning “Linea” was produced for Pangolin to demonstrate the then-new technique of TV-like raster scanned laser images.

Even now his commitment to laser art remains strong. Doug continues to work in lasers with his new company, Laser Show Design, Inc., which specializes in high-end laser presentations for theme parks, corporate meetings, and special events. In 2006, Doug wrote: “If I look at visual music and light art over the broad historical sweep of the last few hundred years where many have struggled for acceptance, I have a profound appreciation of living at a time when both the technology and the marketplace allow me to pursue my passion.”

For his achievements in pioneering laser artistry and techniques for over three decades, ILDA is proud to present Doug McCullough with the 2006 Career Achievement Award.

2006 CAREER ACHIEVEMENT AWARD JUDGES

Dirk Baur • Brian Bohan • Stephen Harvey

PAST CAREER ACHIEVEMENT AWARD HONOREES

1989	IVAN DRYER	LASER IMAGES (LASERIUM)
1990	SEIJI INATSUGU	LASER MEDIA
1991	FLOYD ROLLEFSTAD	LASER FANTASY INTERNATIONAL (LFI)
1992	JENNIFER MORRIS	IMAGE ENGINEERING CORP.
1993	BOB MUELLER	LFI AND LIGHTSPEED DESIGN
	<i>(not awarded 1994-2003)</i>	
2004	PATRICK MURPHY	PANGOLIN LASER SYSTEMS
2005	L. MICHAEL ROBERTS	LASER F/X INTERNATIONAL

