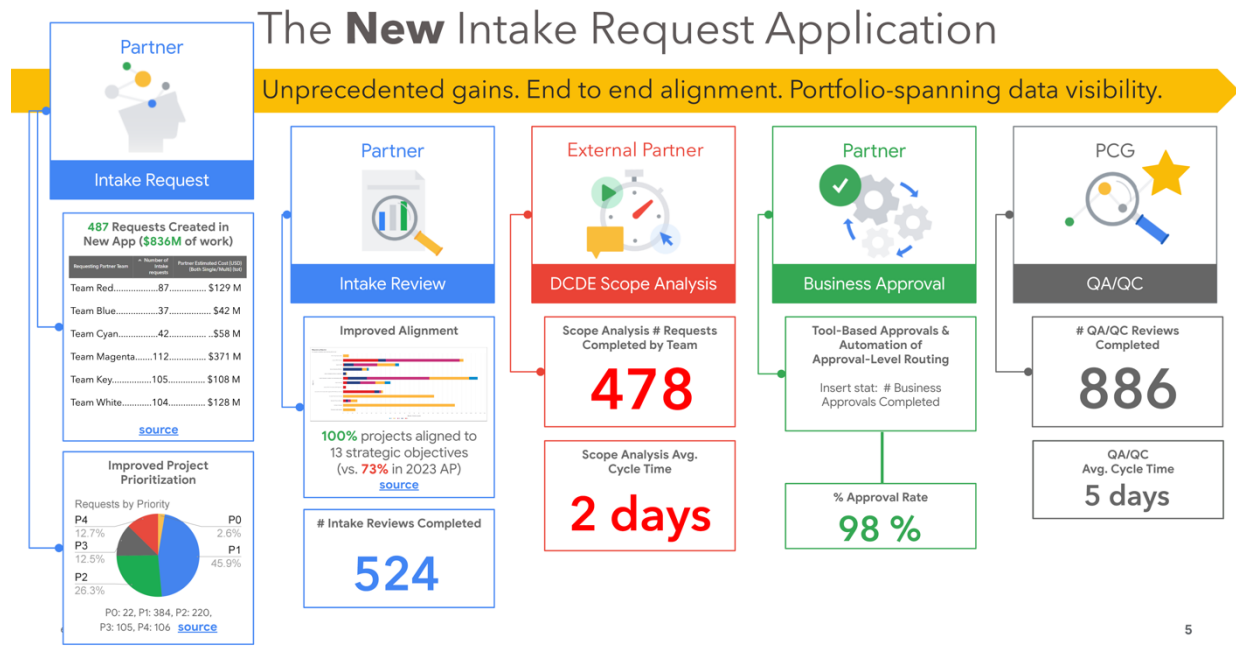


PORTFOLIO

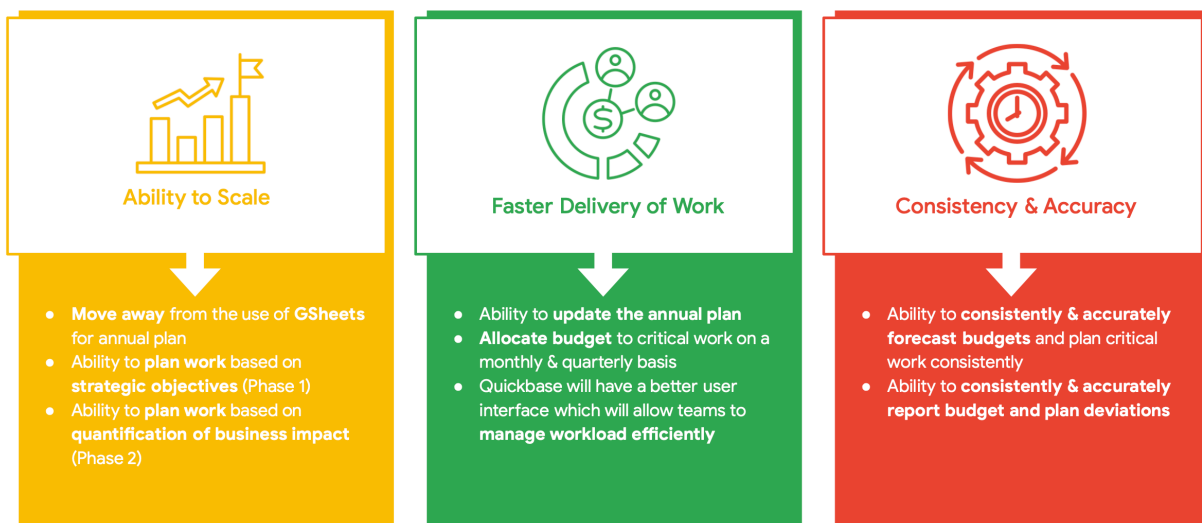
communications program management
and information design

Nicholas Harsin

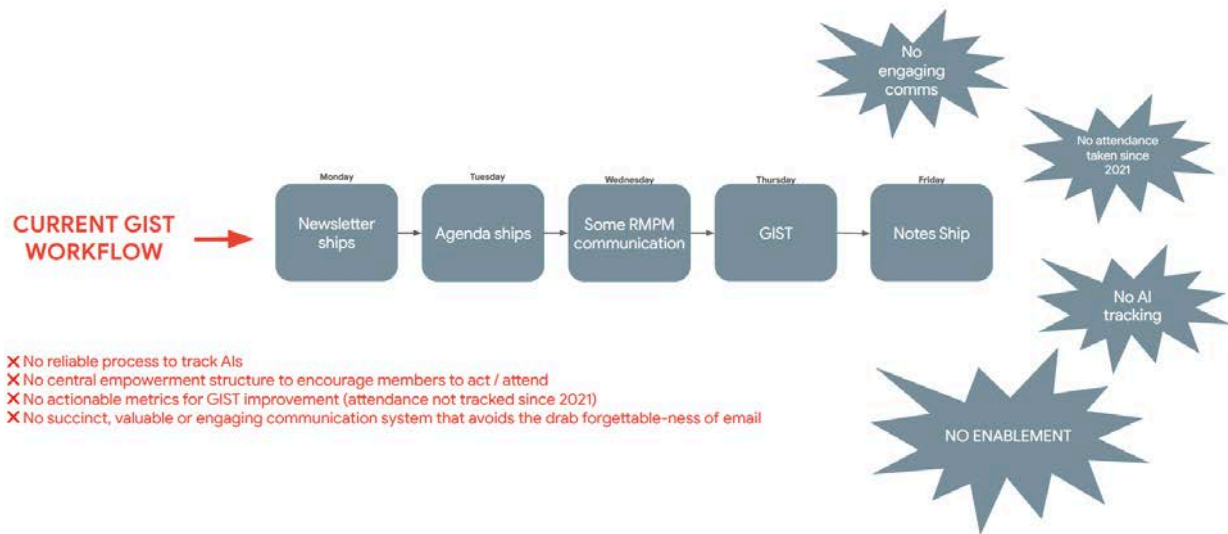
Internal, communications and information design – program + app launch deck w/supporting data



Opportunity Statement

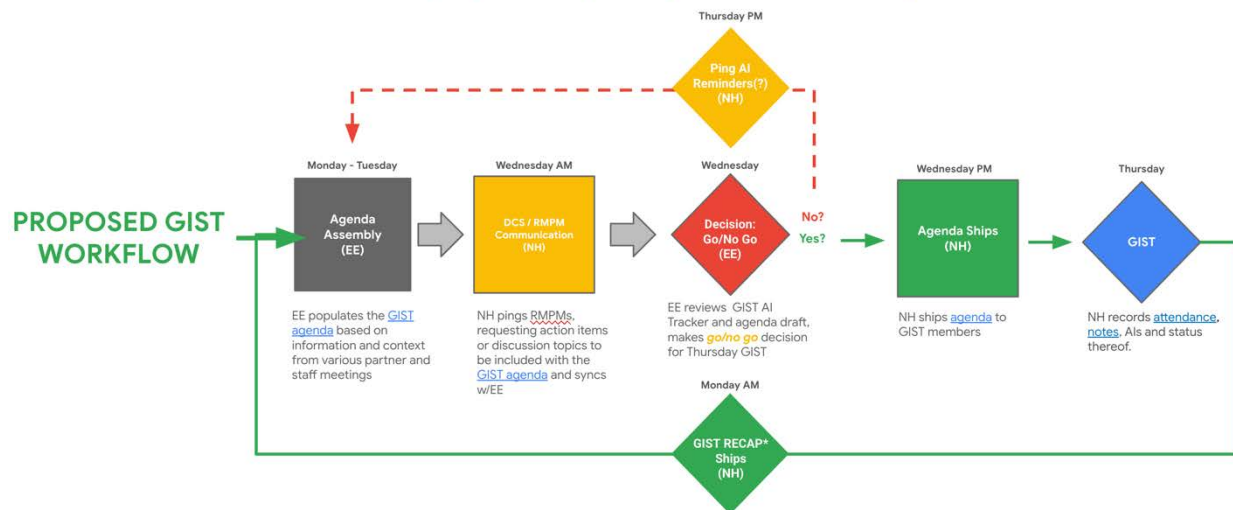


Internal – workflow proposal (and deck) for Senior Leadership. Proposal was adopted.



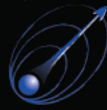
A Process for Enablement

Enablement through effective *preparation, participation and ownership*



*GIST RECAP: a new [streamlined news bulletin](#) combines the old system's Monday Newsletter and Friday meeting notes, with a new [GIST AI tracker](#)

External - Copywriting + Graphics, Adobe Creative Suite – industry marketing one-pager



TRANSASTRA

A RADICAL APPROACH TO ORBITAL MOBILITY

Deliver a satellite in days. Not months.

Worker Bee provides a faster and more flexible way to deliver satellites in LEO, MEO, GEO, and cislunar space.

Worker Bee™ Space Tug Propelled by Omnivore™ Solar Thermal Propulsion

TransAstra's radically different approach to orbital mobility uses space tugs propelled by concentrated sunlight to deliver your satellite or constellation in days, not months. WorkerBee is up to 6x faster than electric propulsion, carries 7x more payload than chemical thrusters and is 8x cheaper than electric. Safer. Cleaner. Faster. A radically different approach to unlocking the infinite promise of space.

Harnesses Concentrated Sunlight

Omnivore™ solar thermal propulsion system will provide nuclear-like performance using only concentrated sunlight

Lightweight Design

Eliminates expensive and heavy solar panels enabling an ultra-high thrust to mass ratio

Last-Mile Orbital Delivery






Typically 10x faster and 5x less expensive to LEO, MEO, GEO and Lunar orbits

Propellant Agnostic

"Fill up" with virtually any propellant launched from Earth or harvested from the Moon or asteroids

THE OMNIVORE ADVANTAGE

Comparison with Best-Case Solar Electric Propulsion (SEP)

| Destination | Delivered Payload | Trip Time from LEO: WorkerBee™ vs Electric |
|-------------|-------------------|---|
| GEO | 12U (25KG) | 14 days  Electric: 180+ days |
| GEO | 250 – 350 kg | 1 – 2 mos  Electric: 300+ days |
| TLI | 250 – 450 kg | 1 – 2 mos  Electric: 300+ days |
| L1 | 150 – 250 kg | 2 – 4 mos  Electric: 300+ days |
| L2 | 150 – 250 kg | 3 – 6 mos  Electric: 300+ days |

A RADICAL APPROACH TO ORBITAL MOBILITY

TransAstra is accelerating the industrialization of space through safe, fast, and more affordable space travel. Powered by sustainable and ethical solar thermal power technology, the operationalization of orbital logistics and space resource harvesting will unlock an ever-expanding frontier — giving humanity optimism for a limitless future.



Founder and CEO Joel Sercel is a proven innovator and is globally recognized as a pioneer in space ethics and technology.

A radically different approach to unlocking the infinite promise of space. How can we help you?

missions@transastra.com

External – Infographic – Graphics, Adobe Creative Suite

PBM Light

Therapeutic Red Light Therapy Devices



Relieve pain. Promote healing.

What is PBM Light Therapy?

PBM stands for PhotoBioModulation, which means light (photo) life (bio) and change (modulation). Before "PBM" became a prevalent industry term, prior to the 1990s, light therapy was recognized as a treatment modality known as low level laser therapy (LLLT). Oral IQ's PBM Light units provide the same therapeutic benefits as LLLT, restoring damaged tissues, relieving pain and reducing inflammation.

When can PBM Light be used?

Oral IQ's PBM Light provides immediate relief to a wide range of joint, muscle and nerve pain. Applications range from treating TMJ and carpal tunnel syndrome, muscle pre-conditioning and rapid recovery from sports injuries (sprained ankles, friction burns) to pre-conditioning of dental surgical sites and post-op healing. PBM Light can also effectively manage many biological side effects of chemotherapy such as oral mucositis.

Is PBM Light safe?

Absolutely! PBM Light is safe and effective without any side effects, having achieved full FDA regulatory approval as a Class 2 light therapy device and a K-100213 category medical device.

WHERE DOES IT WORK?



TMJ & Jaws Wrists & Arms Knees Legs & Feet Shoulders

HOW DOES IT WORK?

PBM Light works at the cellular level stimulating mitochondria in your body's cells. Mitochondria, known as the "cellular powerhouse," are responsible for ATP production (energy units). When cells are energized they can perform their functions optimally, more efficiently and at generally higher levels.

PBM Mechanism at the cellular level



ATP
unit of energy

Mitochondria: The Powerhouse
receives light energy & increases ATP production.

Learn more at www.TheOQ.shop

External – executive bio



DR. GRACE SUN

DDS FAACD MALD MAGD MICOI

Dr. Grace Sun, a graduate of the University of Southern California School of Dentistry, has been practicing advanced cosmetic and laser dentistry in her Los Angeles practice since 1983. Dr. Sun's inter-disciplinary training is far reaching, including cosmetic and laser dentistry, prosthodontics, orthodontics, implant dentistry and dental ceramics. A champion for the overall well-being of the patient, Dr. Sun combines traditional dentistry and integrative treatment modalities like photobiomodulation and dental acupuncture.

A renowned advocate of education and research, Dr. Sun holds Mastership accreditation with the Academy of General Dentistry (AGD). She is a Master and Educator with the Academy of Laser Dentistry (ALD), and sits on the ALD's executive board, and is in line to become President in 2025. Dr. Sun is also an Accredited Fellow with the American Academy of Cosmetic Dentistry (AACD), served two terms on AACD's Professional Education Committee and was the Academy's first female Accredited Fellow. Dr. Sun is an international lecturer and holds Mastership status with the International Congress of Oral Implantologists, awarded in Hamburg, Germany. She is an advocate for education, a published author, and her peer-reviewed article *Low Level Laser Therapy in Dentistry* was published in the October 2004 issue of *Dental Clinics of North America*.

In February 2020 Dr. Grace Sun received the Leon Goldman Award for Clinical Excellence in Laser Dentistry. She is the founder of Oral IQ, maker of the PBM Light line of compact, accessible and easy-to-use PBM light therapy devices suitable for both clinical applications and self-care at-home use. Dr. Sun is also an advocate for photoacupuncture, an integrative modality combining the benefits of PBM light therapy with the pain management modality of acupuncture.

TEACHING TOPICS

- Laser Assisted Smile Design and Cosmetic Dentistry
- Myofunctional Therapy, Orthotropics Maxillary Expansion
- PhotoBioModulation Therapy (PBMT)
- Photoacupuncture and Orofacial Pain Management
- The Tongue and The Systemic Connection
- Acupuncture and Light Therapy

ACCREDITATIONS & AFFILIATIONS

- Accredited Fellow, American Academy of Cosmetic Dentistry
- Master and Educator, Academy of Laser Dentistry
- Master, Academy of General Dentistry
- Master, International Congress of Oral Implantologists
- Senior Instructor, International Association for Orthodontics
- Certified Dental Acupuncturist

Sun Dental Group
462 North Doheny Drive
Los Angeles California 90048
www.SunDDS.com • 310.274.4200

External – speechwriting



LEON GOLDMAN AWARD STATEMENT & BIO

PERSONAL STATEMENT:

The many teachers, mentors, colleagues and peers that I have been fortunate enough to know and learn from throughout my career have enabled me to deliver the best care possible for my patients and for my community. I am proud to be a member of the Academy of Laser Dentistry. I am honored and humbled to receive the Academy's recognition. Thank you.

BIO:

Dr. Grace Sun is a University of Southern California School of Dentistry graduate and has maintained a comprehensive cosmetic practice and laboratory in Los Angeles since 1983. She utilizes multiple wavelengths of dental lasers in various treatment procedures and is also a trained dental ceramist, allowing her to offer the ultimate in aesthetic restoration, created in-house.

Dr. Sun is a Master of the Academy of Laser Dentistry, Accredited Fellow of the American Academy of Cosmetic Dentistry, Master of the Academy of General Dentistry and Master of International Congress of Oral Implantologists. She serves on AACD's Professional Education Committee as well as ALD's Board of Directors. Dr. Sun is a member of the North American Association of Facial Orthotropics, the American Association for Functional Orthodontics and the World Association for Laser Therapy. Dr. Sun is a contributing published author in several post-graduate textbooks including *Principles and Practice of Laser Dentistry*, *Lasers and Light Amplification in Dentistry* and *Lasers in Clinical Dentistry*.

Disclosure: Dr. Sun is in private practice and has no other commercial relationships.

Contact Dr. Sun: reception@sundds.com

External – executive correspondence

Kelly Radcliff
Director of Professional Education
American Academy of Cosmetic Dentistry
402 West Wilson Street
Madison, WI 53703

Dear Kelly,

As an active member of the AACD for close to three decades, the value that the academy has added to my work and to my life has been formidable. A central focus on education has shaped my professional development, infusing my spirit with a unique propensity to educate and inspire others, including serving on professional academic boards and lecturing for various scientific sessions around the world.

The importance of sharing this knowledge as a prospective member of the Academy's Professional Education Committee with our current members and the next generation of cosmetic dental professionals alike, is immeasurable. I look forward to the opportunity of working toward this goal.

Warm regards,

Grace Sun, DDS
Accredited Fellow, American Academy of Cosmetic Dentistry
Master, International Congress of Oral Implantologists
Master and Educator, Academy of Laser Dentistry
Master, Academy of General Dentistry

Internal – intranet COO announcement (copywriting)



A MESSAGE FROM
JULIAN VORNIT

JANUARY 2023 **COO**

BECOMING THE BEST

TherapyRed's vision to improve healthcare through the development and support of therapeutic photobiomodulation technologies has never been more important, or compelling. I am excited and energized at the significant growth our company has experienced in the four short years that we've been in business.

As we look to expand into new and emerging markets, and in doing so expand our own operational size and scope, TherapyRed is poised for success moving into 2023. With the support of our CEO and leadership, TherapyRed will become the best selling PBMT device on the market. It's gratifying to be a part of – and help lead – such an exceptional organization of great employees who are committed to improving oral healthcare.

Julian Vornit



Nicholas Harsin
Communications Portfolio

Internal – Board of Directors, Prof. Education Committee speechwriting

AACD Professional Education Committee
Leadership Video Script

A.

- What is your view of the scope of professional development for AACD members?
 - Professional development in the AACD means ensuring that members are confident and competent in the diagnosing and planning of treatment before treatment commences; this is the cornerstone of cosmetic excellence and integrity. A formal knowledge of all other dental disciplines is necessary to understand how the patient's goals can be met as cosmetic dentistry can only be built upon a healthy oral foundation. An academy member should be intimately attuned to his or her patient, from consultation throughout evaluation, to precisely understand the patient's treatment goals to avoid any possibility of misunderstanding or unmet expectation.

B.

- What are the main strengths of our current professional development to be preserved and strengthened?
 - The academy's stringent accreditation process is one of our strongest assets with regards to professional development of AACD members. The accreditation process is the world's most recognized advanced credentialing program encouraging further education, interaction with like-minded colleagues and the opportunity for professional and personal growth. Accreditation requires dedication to continuing education and excellence in patient care, presenting significant aspirational and practical value to the academy, its members and auxiliary team members alike. The magnitude of our academy's ability to enrich both the professional lives of its members and auxiliary teams is extraordinary. It provides immense personal growth opportunity and strengthens our member teams.

C.

- What is your vision of desirable future directions to improve our professional development?
 - The academy's immediate outlook into the future should carry through and build upon the theme of excellence in patient care. Cosmetic work can only be executed properly when we understand each component and how they interact with one another. Only then can a cosmetic dental professional have a complete understanding of his or her patient's oral health, which is necessary for precise cosmetic execution. I would like to see the academy campaign for extending member knowledge of other branches of dentistry, integrating other disciplinary knowledge with pre-existing cosmetic knowledge in order to better serve patient treatment goals and maintaining the highest levels of oral healthcare possible. This concurrently supports and expands the academy's credo of Responsible Esthetics. By expanding this breadth of knowledge, we also create opportunities for networking, inter-disciplinary fellowship and camaraderie for our members and other dental professionals in our community. This enriched community will allow us to provide superior care to our patients while fostering continued professional, academic and communal growth for our oral healthcare professionals.

Executive – academic abstract

Academy of Laser Dentistry – Submitted Abstract

ALD 2023 PBM Workshop
Presented by GMA Laser Education and Oral IQ

Overview / Pitch

PhotoBioModulation therapy, or PBMT, is a crucial element of therapeutic laser dentistry, providing countless benefits for relieving pain, enhancing patient experience and improving treatment outcomes. PBMT has been gaining popularity in recent years, and as such, it is vital for dentists and oral healthcare professionals to grasp its mechanisms and clinical applications.

This 3-hour workshop will equip participants with the practical take-home knowledge necessary to administer PBMT right away.

Learning Objectives

- Understand the scientific basis for PBM therapy and its clinical significance in pain reduction and wound healing
- Learn the progression of PBM and the difference between lasers and LEDs
- Learn proper pre- and post-treatment conditioning for analgesic and lymphatic system benefits
- Learn how PBMT can alleviate the following conditions:
- Learn PBMT dosage principles to obtain desired clinical effects

Format

- 3-hour workshop: lectures and hands-on sessions, including PBMT equipment primer (30 mins) and hands-on rotating demo groups (25 mins each). QA to follow.
 1. ALD: Intro to PBM (mechanism) **30 mins**
 2. PBMF: PBMT for general dentistry **15 mins**
 3. Oral IQ: Pt management, pre- and post-op communication **15 mins**
 4. ALD: Equipment primer **30 mins**
 5. Oral IQ: PBMT for Orofacial and TMJ pain **30 mins**
 6. ALL: Rotating demo groups **25 mins** (x2)
 7. QA + Coffee Wrap-Up **10 mins**

Nicholas Harsin
Communications Portfolio

External – PR press release

New York, NY, 2021-Dec-07 — /EPR Network/ — Oral IQ is pleased to announce a new revolutionary LED technology to help their customers maintain optimal oral health with dental clinics and home treatment options. Today the company has announced a new line of compact, portable, safe, user friendly and affordable PhotoBioModulation light therapy units, using LED technology to provide pain relief and pain management solutions allowing patients to better their quality of life.

At Oral IQ, dental health care professionals and individuals alike can order products to help them manage the oral and general healthcare needs of their patients and themselves. The Oral IQ team are committed to making this new LED-based light therapy technology affordable and attainable for individuals to get reliable, effective self-care treatment in the comfort of their homes with PBM light therapy, LED technology, and more. Oral IQ's PhotoBioModulation light therapy units are the most compact light therapy devices ever released on the consumer-accessible market, providing a convenient, easy to use and reliable means to reducing oral pain. In addition to handheld PBM light therapy units, Oral IQ provides a range of application-specific PBM devices, including blankets, hats and wraps, to suit a range of needs.

Oral IQ makes it easy for individuals to access to obtain advanced smart products that manage oral health needs, as well as addressing orofacial pain management and healthcare goals, beyond the dental office. The team at Oral IQ understand the importance of advancing healthcare technology with the goal of making it easier and more affordable for individuals to care for their orofacial health. Their revolutionary smart compact LED technology is making that goal a reality.

Any health care provider or patient interested in learning about the exciting self-care Pain Relief LED technology solutions offered can find out more by visiting the **Oral IQ** website or by calling 1-310-274-4200.

About Oral IQ: **Oral IQ** is dedicated to providing individuals and providers the latest technologies in oral health care and beyond in helping those individuals maintain healthy, happy and beautiful smiles. They offer various types of equipment designed for both home use and clinical in-office use at affordable prices. Their team is constantly working to improve their offerings to help individuals attain the smile they deserve.

Press Release Contact : Dr. Grace Sun
Company: Oral IQ
Telephone number: 1-310-274-4200
Email address: hello@theoq.shop

External – Graphics, Adobe Creative Suite – marketing deck creative

Lectures & Hands-On Workshops

- Advanced Credentialing Program
- PhotoBioModulation Therapy (PBMT)
- Esthetic Crown Lengthening
- Emerging Technologies
- Implants & Implantitis
- Advanced Hygiene
- Sleep Medicine

ALD 2023 The 30th Anniversary Conference & Exhibition
FUTURE IS HERE!

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30 YEARS 1993-2023

DALLAS, TX
APRIL 20-22, 2023

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ALD
Association of Laser Dentistry

The Final Hours...

ALD 2021 VIRTUAL CONFERENCE BEGINS TOMORROW!
APRIL 8-10, 2021

28th Annual Conference and Exhibition

Dental Laser Solutions
Sharing and Collaborating Beyond Borders

ALD 2021 VIRTUAL
Dentistry's Laser Meeting

Delivered Live and On Demand

EARN CEU's

