

The 3rd Digital Dentistry Society International Global Congress 2023

ARTIFICIAL AND HUMAN INTELLIGENCE IN MODERN DENTISTRY



October 12–14th | Hyatt Regency Hotel, Casablanca

Preliminary Program

The world's largest scientific event on digital dentistry will feature leading clinical experts and researchers who will discuss the most innovative digital technologies and established clinical procedures.

Thursday 12th October 2023: INNOVATION FORUM

- 9:00–9:15 **Opening session** – President Jaafar Mouhyi, A. Bouyahyaoui, Francesco Mangano, Mohamed Sdira, Youssef Talic
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- 9:15–9:25 Miguel Stanley – Avatars and Artificial intelligence in dentistry
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- 9:25–9:35 Dirk Duddeck – Particle-free implants are key to clinical success. Can AI support the quality assessment process?
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- 9:35–9:45 Markus Tröltzsch – Sense and nonsense of computer assistance and AI in augmentation and implant surgery
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- 9:45–10:05 Ingo Baresel – Latest innovations in diagnostics using intraoral scanners
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- 10:05–10:25 Paolo Avataggiato – Next-Generation Dentistry: How AI and IoT are Transforming Oral Health
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- 10:25–10:45 Ziad Salameh – Facially Driven Esthetic and Functional Rehabilitation: Decoding a Successful Workflow
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- 10:45–11:15 **Coffee Break**
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- Moderators: Adriano Piattelli, Babakar Toure, Eitan Mijiritsky
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- 11:15–11:35 Carlo Mangano – Personalized therapies with custom-printed ceramic biomaterials and titanium implants: how AI can help us in Bone Surgery
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- 11:35–11:55 Giacomo Fabbri – Interdisciplinary treatments in the digital era: quality, predictability and flexibility
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- 11:55–12:10 Rebekka Hueber – Ceramic Implants and Digital Dentistry: Pioneering a New Era in Dental Implant Treatment
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- 12:10–12:30 Fernando German – AI and other innovations in daily use
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- 12:30–12:45 Sebastjan Varljen & Stefan Scholz – 4D dentistry on steroids
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- 12:45–13:00 Matteo Valoriani – Augmented Reality in digital dentistry workflow
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- 13:00–14:00 **Lunch Break**



Also on Thursday Details on page 4–5–6

- 9:00–13:00 **Call for Poster Oral Presentation**
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- 9:00–13:00 **Official DDS Workshop for Hygienists and Dental Assistants**
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- 14:00–16:30 **Hygienists and Dental Assistantss Session**
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- 9:00–13:00 **Parallel Workshop for Dentists and Dental Technicians**

Moderators: Christian Monti, Rachida Ameziane, Karim El Jaffali

14:00-14:30 Christian Coachman – Dentist-Lab Synergy in the Digital Era

14:30-14:50 Mahmood Ezzat – Restoring the past for full arch implant cases using digital technology

14:50-15:10 Michael Klein – Full arch implant supported restoration simplified: Nexus iOS, the 2-3 appointment full-arch solution

15:10-15:30 Markus Engelschalk – AI and patient management: how treatments will be planned in the future

15:30-15:45 Fabrizia Luongo – Digital magnification: an essential help in modern dentistry

15:45-16:00 Othman Mikou – Guided Surgery in Implant Dentistry: A Comprehensive Approach for Simple to Full-Arch Cases

16:00-16:30 **Coffee Break**

Moderators: Myroslav Goncharuk-Khomyn, Abdessamad Agday, Yassir El Idrissi

16:30-16:45 Alex Sanders – AI has become a reality in the field of dental diagnostics. What developments can we expect to see next?

16:45-17:00 Fernando Zarone – Falko-Medical Media Vision

17:00-17:20 Sameh Shaaban – Dicom + STL Twin Role

17:20-17:40 Yann Amauger – How AI Is Changing the World of Dental Technology

17:40-17:50 Abdessamad Agday – AI-Powered dynamic navigation for dental surgery



DDS Global Congress



Friday 13th October 2023

9:00-9:30 **Congress Opening Ceremony** – Jaafar Mouhyi, Henriette Lerner, Giuseppe Luongo, Carlo Mangano, Ihssane Benyahya, Mohamed Hjira

9:30-10:15 **Lectio Magistralis:** Rachid Yazami – Artificial Intelligence for Green Energy

IMPLANTOLOGY

Moderators: Carlo Mangano, Zouhair Ismaili, Jerome Lipowicz

10:15-10:45 Reinhilde Jacobs – Artificial Intelligence in implant dentistry

10:45-11:15 **Coffee Break**

11:15-12:00 Henriette Lerner & Fabrizia Luongo – Digital approach to Full-arch rehabilitation

12:00-12:30 Maurice Salama – Fully Guided Implant Reconstruction of the Atrophic Maxilla utilizing non-alveolar anchorage sites

12:30-13:00 David Garber – Human Intelligence: 5 decades of single tooth replacement & failures in the Esthetic Zone

13:00-13:15 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators

13:15-14:15 **Lunch Break**

ESTHETIC DENTISTRY

Moderators: Giuseppe Luongo, Katalin Nagy, Sanaa Rida

14:15-14:45 Nitzan Bichacho – Implant Supported Restorations Utilizing Digital Concepts

14:45-15:15 Mario Imbrugia – VertiCad: minimal preparation and full digital workflow in Esthetic Dentistry

15:15-15:45 Carlos Toro – Digitally Guided Veneers Preps: artificial intelligence Vs. human intelligence

15:45-16:00 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators

16:00-16:30 **Coffee Break**

ORTHODONTICS

Moderators: Farid Bourzgui, Meshari Al Otaibi, Isabelle Savoye

16:30-17:00 Nuno Sousa Dias – Artificial Intelligence and Robotics: interesting tools for the orthodontist of the future

17:00-17:30 Simona Tecco – Temporomandibular dysfunction: the digital approach

17:30-17:45 Zakaria Bentahar & Zouhair Abidine – Science behind the most relevant indications of Digital Orthodontics in daily practice

18:00-18:15 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators

20:00 **Gala Dinner**

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Gala Dinner

The Gala Dinner is an iconic tradition of every DDS Congress: it is one of the most exclusive and relaxing moments of the event and this year will take place at the **Shore Club** (10 Boulevard de l'Ocean Atlantic, Casablanca), a beautiful venue right in front of the Ocean. The **participation quote** is €120 and the gala requires seat reservation.

More info: info@digital-dentistry.org | congress.digital-dentistry.org

Saturday 14th October 2023

PROSTHETICS

Moderators: Chouaib Rifki, Phophi Kamposiora, Khalid Bouzekri

9:00-9:30 Rodrigo Salazar – 3D facial scanning: from static to dynamics. Our way to reach the meta-patient

9:30-10:00 Vygasdas Rutkunas – Completing Digital Workflow for the Full-Arch cases

10:00-10:30 Fernando Zarone – Dental ceramics in the era of AI

10:30-10:45 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators

10:45-11:15 **Coffee Break**

Moderators: Florian Beuer, Samir Abou-Ayash, Anass Bennani

11:15-11:45 Piero Venezia – Aesthetics and function in complete denture prosthesis: digital perspectives

11:45-12:15 Murali Srinivasan – CAD/CAM complete dentures

12:15-12:45 Francesco Mangano – Augmented Reality and Artificial Intelligence in Dentistry

12:45-13:00 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators

13:00- 14:00 **Lunch Break**

MAXILLO-FACIAL SURGERY

Moderators: Devorah Schwartz-Arad, Gilberto Sammartino, Pasquale Piombino

14:00-14:30 Ashraf Ayoub – Robotic, flapless and dynamic navigation guided implant surgery

14:30-15:00 Abdulmalik Alyahya – Digital orthognathic solutions: the impossible that became possible!

15:00-15:30 Gwenn Swennen – Current strategies in orthognathic surgery and the potential impact of AI

15:30-16:00 Ashwini Bhalerao – The impact of dynamic navigation on implant accuracy, post-surgical recovery and health economics

16:00-16:15 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators

16:15- 16:45 **Coffee Break**

ENDODONTICS

Moderators: Ken Serota, Said Dhaimy, My Ismail Afif

16:45-17:15 Roberto Fornara – From digital to artificial intelligence: what changes in endodontics

17:15-17:45 Paula Villa – Today's Endodontics : How far have we come?

17:45-18:00 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators

18:00 **Closing Ceremony**

Registration Rates

	Until 14/07/2023	From 15/07/2023
Active Members Ticket	300€	420€*
Non-Active Members Ticket	500€	600€*
Students Ticket	300€	400€*

Ticket for DDS Workshop for Hygienists and Dental Assistants (Workshop Only): €120



The beautiful Casablanca and the Congress Venue, the Hyatt Regency Hotel



*1 year Active/Student Membership included

Poster Oral Presentation

Researchers and Clinicians will have the opportunity to present their results in a 7 minutes short lecture in front of a panel of experts. The **Oral Presentation** session will be **Thursday 12th October from 9am to 1 pm**.

Presentations are divided in two different sessions: "Research" and "Clinics".

Research Committee: *Francesco Mangano, Jaafar Mouhyi, Reinhilde Jacobs, Lahcen Ousehal*

Clinics Committee: *Fernando Zarone, Vygandas Rutkunas, Mohamed Bouzoubaa, Youness Laalou*

Awards

The **three best Oral Presentations** per category will be awarded with a cash prize of 1500€, 1000€ and 500€ respectively, with a special mention during the Congress Gala Dinner, on Friday 13th October.

In addition, all accepted Abstracts will be published in the Proceedings of the Digital Dentistry Society (DDS) Global Congress, a thematic issue of the **Journal of Dentistry (Elsevier, Q1, indexed Pubmed, Impact Factor 4.9, Citescore 7)**, the flagship journal of the Society. All published Abstracts will be indexed in Scopus.

Important Dates

August 30 th , 2023	Abstract Submission Deadline
September 15 th , 2023	Notification of Abstract Acceptance
October 12 th , 2023	Oral Presentation from 9am to 1pm
October 14 th , 2023	Posters Awards



Win a € 1500 cash prize and a publication on the **Journal of Dentistry!** Discover more at congress.digital-dentistry.org/call-for-posters/



Workshops

DDS Workshop for Hygienists and Dental Assistants

The Optical Impression: the correct use in the modern digital work flow

The modern digital work flow always involves, more than in the past, all the team in particular the Dental Assistants and the Dental Hygienists. The workshop is mainly dedicated to these professional figures who will receive a complete information on the correct use of the intraoral scanner which represent today an essential device for a modern approach to diagnosis and treatment planning.

Speakers & Trainers

- Fabrizia Luongo
- Erika Terranegra
- Alessio Campanella

Thursday 12th October 2023

9:00-11:00 The intraoral scanner: Technical features and performance of the main IOS available on the market

Accuracy and Precision

Scanning strategies in fixed prosthesis

Scan Bodies and Scanning strategies Implant rehabilitation

Face scanner and the integration of the digital data: the Virtual Patient

Digital communication with patients and within the operators

11:00-11:30 **Coffee Break**

11:30-13:00 **HANDS-ON**
The Participants can personally experience the use of 3 different Intraoral Scanners learning the correct approach to the digital work flow in daily practice

13:00-14:30 **Lunch Break**

HYGIENISTS AND DENTAL ASSISTANTS SESSION (Translation)

Moderators : Nawal Rabii, Abdellah Squalli, Fatine Fares-Eddine

14:00-14:45 Miguel Stanley – Lectio Magistralis for Hygienists and Dental Assistants

14:45-15:15 Giorgio Castagno – The robotic management of sterilization in dentistry

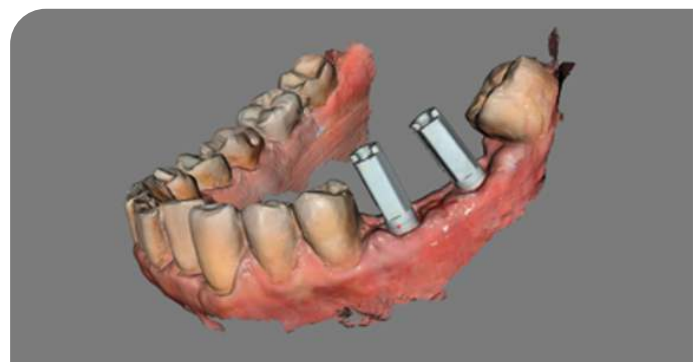
15:15-15:45 Fouad Talic – Artificial Intelligence and digital treatment plan from Hygienists and Assistant side

15:45-16:15 Heea Yang – How to grow stress resilience with somatic techniques

16:15-16:30 **Dynamic Discussion** – Q & A from the audience, orchestrated by the moderators



The correct use of digital workflow is essential in modern dentistry



Workshops

Workshop for Dentists and Dental Technicians

The workshops outlines the progress and potential applications of Artificial Intelligence in dental-aided diagnosis, treatment and disease prediction and discusses the data limitations.

Thursday 12th October 2023

9:00-13:00 Ouassim Salmi – Create your virtual patient with Modjaw

Alessandro Cucchi – Customized titanium mesh for bone regeneration

Paolo Avantiaggiato – Mastering the Art of Digital Prosthodontics: From Concept to Creation

Milos Ljubicic – 3D Printing and AI: Advanced digital solutions

Ingo Baresel – Working digital with iTero: from caries diagnosis to restorative

Roberto Mangano & Matteo Valoriani – AR/VR hands-on in Dentistry: the Virtual Patient in your daily practice

Michael Klein – Simplifying and streamlining the full arch implant restoration. From diagnosis to insertion of the final restoration in 4 patient visits: The Nexus iOS solution

Alex Sanders – Exploring future opportunities of dental treatment planning driven by AI

Claudio Farnararo – Falko System: Tele-cooperation, live education and interaction during live procedure

Frank Meier – From Virtual to Reality: How can digital technology and artificial intelligence help us to design a functionally and aesthetically individualized denture and transfer all to the patient's mouth?

Rachid Bakal – 3D implant placement for a perfect emergence profile

Hugo Patrao – Predictable digital implant planning; CS 3D Imaging & SMOP hands on workshop



Informations for participants

Hotels

The Participants can contact the secretariat or independently book the suggested hotels:

Hotel	Stars	Distance from Venue	DUS Room	DBL Room
HYATT REGENCY HOTEL	5	On Site	€ 195	€ 220
RADISSON BLU	5	1,5 km	€ 165	€ 175
SOFITEL TOUR BLANCHE	5	800 m	€ 195	€ 210
KENZI TOWER	5	2,5 km	€ 190	€ 205
ODYSSE BOUTIQUE HOTEL	4	850 m	€ 125	€ 140
ONOMO CITY CENTER	4	2,5 km	€ 145	€ 160
BARCELO	4	2 km	€ 120	€ 135
BEST WESTERN CITY CENTER	4	3 km	€ 80	€ 90
IBIS CITY CENTER	3	900 m	€ 80	€ 90

Local Secretariat

COULEURS COM SARL
9 Avenue Mansour Eddahbi,
Residence Jaafar, App 9.
Marrakech, Morocco

Tél:
+212 661 926 342
+212 524 432 904

Mail:
dds2023@couleurscom.ma
contact@couleurscom.ma
taieb@trassociates.ma

Rates are in EUR. VAT included. City tax not included. Booking confirmed after proof of payment.

Suggested Tours

Casablanca Tour

Start the visit from the port and the old city area where you will visit the impressive Hassan II mosque to discover one of the most interesting architectural achievements in modern Morocco before you are taken to explore some of the main streets down town that date back to the French protectorate. The buildings here are made in the art-deco style, built and designed back in 1920's.

Visit Le "Marché Central", the French food and flower market, before you stop on Mohamed V square, one of the main squares of Casablanca, to admire the neo-Moorish style architecture of several official buildings such as the town hall and the court of justice built in 1930's.

Visit the largest church in Casablanca, "Notre Dame De Lourdes", where you will discover one of the most impressive works in stained glass accomplished by a French artist in the mid 1950's.

Rabat

Rabat is the capital of the Kingdom of Morocco and the residence of the King. An ancient walled city of parks and flowers, Rabat combines beauty and serenity, and it is steeped in history. Waves of immigrations brought different civilizations to this place, of Romans, Carthaginians, and Phoenician to Muslims and artifacts from these periods are on display at the Archaeology. The city itself is built next to ancient Roman ruins which you will visit in the Kasbah of Chellah, an archaeological site where you will discover the remains of two civilizations: Sala Colonia dating back to Roman times and the Merinides necropolis of the 14th century.

The main gate of Bab Errouah made in the 12th century, the Kasbah Oudaia which was occupied by Muslims evicted from Spain in the 17th century, is a beautiful example of true Moorish design. Within the walls of the Kasbah we'll explore a delightful jewelry museum and an Andalusian garden, a part of the royal residence of the 17th century. Continue to the Tour Hassan, the last vestige of an unfinished mosque of the late 12th century. Next you will admire the Mohammed V Mausoleum which is a place of exquisite contemplation. This is one of the finest architectural monuments in Morocco built as a memorial to this symbolic king of Morocco.

End your visit with a stroll in the park of the official royal palace where you will see the royal guards at the entrance of the residence.

El Jadida

Leave Casablanca and drive to El Jadida across the Chaouia and the Doukkala tribal lands where you will see lots of agricultural activities. Stop for a break and a short visit of the fortified town of Azemmour which was once a meeting point between the local coming from inland and the Portuguese traders established here from the early 16th century. Then continue to El Jadida, visit the Old Portuguese fort. El Jadida used to be a Portuguese trading harbor in the 16th century better known as Mazagan. You will be taken inside the Portuguese fort to see some remains such as the Portuguese church, the amazing water reservoir and its beautiful architecture where Orson Welles shot his film OTHELLO. Walk up the city walls for a magnificent view over the city and the port where there are still some old defense canons.

Marrakech - The Imperial City

Leave Casablanca at 08h00am and head via the motorway to the Red city of Marrakech, Today will be devoted to the discovery of this imperial city and its rich monuments such as the Koutoubia minaret, a symbol for the city since 800 years, the Bahia palace with its lovely courtyards and late Moorish architecture, the Saadian tombs with the sumptuous royal pavilion.

In the afternoon, you will be taken to visit the "Hidden sides of Marrakech" where you will discover the oldest building in the city dating back to the 12th century as well as the artisan quarters and the colourful Souks to interact with the real life of Marrakech.

Before sunset you will be strolling in the square of which the city is so famed: Jemaa El Fna where hundreds of locals and tourists come to spend the end of the day watching jugglers, dancers, fortune tellers, story tellers and traditional musicians.

