

First  
announcement



## Third 3D Bologna International Meeting and Workshop

*Technology and Research in Maxillofacial Surgery. Diagnosis, Planning & Treatment*

S.Orsola - Malpighi - Hospital University of Bologna

March 28th - 29th, 2014

Supported by



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA



PhD in Medical and Surgical Sciences  
University of Bologna, Italy

# Dear Colleagues,

I am pleased to announce the third edition of the International Conference **3DBO "Technology and Research in Maxillofacial Surgery. Diagnosis, Planning & Treatment"** on March 28th and 29th 2014. This initiative represents a significant moment for maxillofacial European schools that will have the chance to meet in an international scientific context. We will have the honor to hold the conference at the *S. Orsola – Malpighi University Hospital* which is the training, care and research home for the prestigious School of Medicine of the *Alma Mater Studiorum - University of Bologna*.

We will give companies interested in being sponsors of the event the opportunity to fill some stands with their products placed in the spaces adjacent to rooms where the workshops take place, as well as distributing educational materials in various forms. We are furthermore interested in knowing any innovative products, resulting from your research activity.

Prof. Claudio Marchetti

### Secretariat Scientific Committee

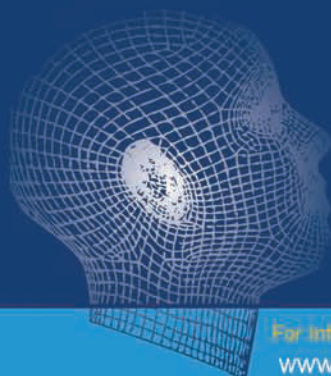
Alberto Bianchi, MD DMD  
Oral & Maxillofacial Unit  
S.Orsola-Malpighi Hospital  
University of Bologna

Via Massarenti 9 - 40138 Bologna  
Tel. +39 051 6364205 - Fax +39 051 6363641  
alberto.bianchi@aosp.bo.it

### Secretariat Organizing Committee

Nadia Borelli  
Fondazione Alma Mater

Via T. Martelli 22/24 - 40138 Bologna  
Tel. +39 051 2091409 - Fax +39 051 2091356  
mobile +39 339 8401902  
n.borelli@fondazionealmamater.it



### Credits

European and Italian credits for CME/ECM  
will be requested

### For informations

[www.3dbologna.com](http://www.3dbologna.com)

### Official Language

The official language  
is English



# Third 3D Bologna International Meeting and Workshop

Technology and Research in Maxillofacial Surgery. Diagnosis, Planning & Treatment

Friday, March 28th, 2014

## Workshops:

1. 3D and 4D Stereophotogrammetry
2. Complete 3D planning in orthodontic and orthognathic surgery
3. Piezo-navigated surgery
4. 3D CAD-CAM pre-bended plates in oncology and orthognathic surgery
5. 3D Endoscopy
6. Intraoral Scanning
7. Simulation Guided Navigation (live surgery)

Saturday, March 29th, 2014

## Symposium

08.00 Registration

08.30 Opening Ceremony

- Authorities

- 08.40 C. Marchetti (Bologna, Italy): "The new dimensions in the future of Oral and Maxillo-Facial Surgery"

09.00 **Engineering and Imaging Session**

- 09.00 P. Cattin (Basel, Swiss): New perspectives in 3D imaging and virtual environments for surgery.

- 09.20 L. Ciocca (Bologna, Italy): Custom made innovative composite scaffold for bone regenerative medicine.

- 09.40 Discussion

09.50 **New Tools in Diagnosis Session**

- 09.50 A. Ayoub (Glasgow, UK): 4D stereophotogrammetry

- 10.10 L. M. Galantucci (Bari, Italy): Polishape 3D and 4D

- 10.30 S. Amadori (Bologna, Italy): 3d stereophotogrammetric analysis of facial surface in orthognathic surgery

- 10.40 E. Betti (Bologna, Italy): 3d stereophotogrammetric analysis of nasal surface in orthognathic surgery

- 10.50 Discussion

11.00 – 11.30 Coffee with the Companies

11.30 **3D in Orthodontic Session**

- 11.30 M. Pironi (Bologna, Italy): intraoral scanner and virtual set-up

- 11.50 L. Defila (Bologna, Italy): 3d analysis of dental movements in presurgical orthodontic

- 12.10 Discussion

12.20 **3D Accuracy in Orthognathic Surgery Planning Session**

- 12.20 A. Bianchi (Bologna, Italy): Cutting guides and custom made pre-bended plates vs. Simulation Guided Navigation in facial anomalies: different ways to improve accuracy in orthognathic surgery.

- 12.40 D. Buchbinder (New York, USA): accuracy of virtual splints in orthognathic surgery

- 13.00 Discussion

13.10 – 14.30 Lunch

14.30 **3D Planning in pre-prosthetic and implant surgery**

- 14.30 G. Corinaldesi (Bologna, Italy): CAD/CAM 3D meshes in preprosthetic surgery

- 14.50 G. Pellegrino (Bologna, Italy): intraoral navigation in implantology

- 15.10 Discussion

15.20 **Navigation and minimally invasive technique**

- 15.20 P. Jurgens (Basel, Swiss): Computer-assisted Robot-guided Laser Osteotome (CARLO)

- 15.40 E. Pasquini (Bologna, Italy): 3D endoscopy in Head and Neck surgery

- 16.00 Discussion

16.10 – 16.40 Coffee with the Companies

16.40 **Augmented Reality**

- 16.40 V. Ferrari (Pisa, Italy): Wearable Augmented Reality for Surgery

- 17.00 G. Badiali (Bologna, Italy): Video See-through and Optic See-through Augmented Reality Systems (ARS) for Maxillofacial Surgery

- 17.20 Hans Florian Zeilhofer (Basel, Swiss): Latest results in Augmented Reality in CMF surgery

- 17.40 Discussion

17.50 **The "Arturo Beretta Lecture" J. Xia (Houston, USA): The Surgical Planning Lab in Houston**

18.30 Closure