

Third 3D Bologna International Meeting & Workshops

Augmented Reality and New Technologies in Maxillofacial Surgery Area

S.Orsola-Malpighi Hospital, University of Bologna

March 28th-29th, 2014

Patronage



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With the contribution of



WORKSHOPS

Friday, March 28th, 2014

Morning sessions 9.00-10.30 and 11.00-12.30

Camplus Bononia
via Sante Vincenzi 49-51

The participants can attend two of the morning session's workshops.
Every workshop will be held twice.

- **3D and 4D stereophotogrammetry** - DI3D-DI4D - Digital Imaging - Glasgow (UK)
Each participant will have the opportunity to manage the 3D and 4D stereophotogrammetric camera
- **3D planning in orthodontic and orthognathic surgery** - Pro-Plan Software System - DePuy Synthes (USA)
Each participant will have his own personal computer to plan the case operated in the afternoon
- **3D CAD-CAM pre-bended plates in oncology and orthognathic surgery** - SINTAC (ITALY)
The method to obtain custom-made plates will be presented
- **Piezo-navigated surgery** - Mectron (ITALY)
The stereolithographic model of an atrophic patient will be operated on with the piezosurgery and the navigator
- **Intraoral navigation in implantology** - Implanav System - BresMedical (AUSTRALIA)
A new navigator for intraoral implant surgery will be presented

Afternoon session 14.00 - 18.30

"Aula didattica" Pavilion 5
S. Orsola-Malpighi Hospital

- **Simulation - guided navigation and CAD-CAM in Orthognathic Surgery** - Nav3 Navigator - Stryker (USA)
Comparison between traditional splints, CAD-CAM virtual splints and CAD-CAM prebended plates - SINTAC (ITALY)

LIVE SURGERY

REGISTRATION FEES

Friday, March 28th, 2014 - WORKSHOPS

100 € + VAT

per workshop

Saturday, March 29th, 2014 - MEETING

300 € + VAT

free for residents

Credits

The congress will be held in english
and 12 CME will be issued.

For informations

www.3dbo.it

MEETING

Saturday, March 29th, 2014

8.30 - 9.00 Registration
9.00 - 9.20 Opening Ceremony

FREE FOR RESIDENTS

Authorities

- C. Marchetti** - Director of Oral and Maxillofacial Surgery - University of Bologna
- A. Campobassi** - President of Italian Society of Maxillofacial Surgery - SICMF
- M. Cavalli** - Health Director - S.Orsola-Malpighi Hospital
- R. Lodi** - Director of Department of Biomedical and Neuromotor Sciences - University of Bologna
- I. Dionigi** - Magnifico Rettore Alma Mater Studiorum - University of Bologna

9.20 - 10.20 Session I: Engineering and Imaging **CHAIRMEN: A.B. Gianni, R. Cocchi**
P. Cattin (Basel, Swiss): New perspectives in 3D imaging and virtual environments for surgery
L. Ciocca (Bologna, Italy): Custom made innovative composite scaffold for bone regenerative medicine
 Discussion

10.20 - 11.20 Session II: New Tools in Diagnosis **CHAIRMEN: F. Festa, L. Chiarini**
A. Ayoub (Glasgow, UK): 4D Stereophotogrammetry
L.M. Galantucci (Bari, Italy): Polishape 3D and 4D
S. Mazzoni (Bologna, Italy): 3D stereophotogrammetric analysis in orthognathic surgery
 Discussion

11.20 - 11.40 Coffee Break

11.40 - 12.50 Session III: 3D in Orthodontics **CHAIRMEN: G. Farronato, L. Califano**
M. Pironi (Bologna, Italy): Intraoral scanner and virtual set-up
L. Defila (Bologna, Italy): 3D analysis of dental movements in presurgical orthodontic
K. Gladstone (Los Angeles, USA): Virtual 3D Surgery Planning using Dolphin Imaging
 Discussion

12.50 - 13.50 Lunch

13.50 - 14.50 Session IV: 3D Accuracy in 3D Planning **CHAIRMEN: R. Cipriani, G. Iannetti**
A. Bianchi (Bologna, Italy): Custom made pre-bended plates and simulation-guided navigation in facial anomalies
D. Buchbinder (New York, Usa): Accuracy of virtual splints in orthognathic surgery
A. Tarsitano (Bologna, Italy): 3D planning and CAD-CAM technique in reconstructive surgery
 Discussion

14.50 - 16.00 Session V: 3D in implant and oncology surgery **CHAIRMEN: A. Pirodda, P.F. Nocini**
G. Pellegrino (Bologna, Italy): Intraoral navigation in implantology
P. Jürgens (Basel, Swiss): Computer-assisted Robot-guided Laser Osteotome (CARLO)
E. Pasquini (Bologna, Italy): 3D endoscopy in Head and Neck surgery
 Discussion

16.00 - 16.20 Coffee Break

16.20 - 17.30 Session VI: Augmented Reality **CHAIRMEN: A. Bozzetti, G. Ferronato**
V. Ferrari (Pisa, Italy): Wearable Augmented Reality for Surgery
G. Badiali (Bologna, Italy): Video See-through and Optic See-through Augmented Reality Systems
H.F. Zeilhofer (Basel, Swiss): Latest results in Augmented Reality in CMF surgery
 Discussion

17.30 - 18.00 The "Arturo Baretta Lecture"
J. Xia (Houston, USA): The Surgical Planning Lab in Houston

FACULTY

- Ayoub Ashraf Professor of Maxillofacial Surgery - University of Glasgow - UK
- Badiali Giovanni PhD Student in Surgical Sciences - University of Bologna - Italy
- Bianchi Alberto MD DMD Oral and Maxillofacial Surgery Unit - S.Orsola - Malpighi Hospital - Bologna - Italy
- Bozzetti Alberto Professor of Maxillofacial Surgery - University of Milan "Bicocca" - Italy
- Buchbinder Daniel Professor and Chief, Division of Oral and Maxillofacial Surgery, Department of Mount Sinai Beth - New York - USA
- Califano Luigi Professor of Maxillofacial Surgery - University of Naples - Italy
- Cattin Philippe Assistant Professor and Chief of the Medical Image Analysis Center - University of Basel - CH
- Chiarini Professor of Maxillofacial Surgery - University of Modena - Italy
- Ciocca Leonardo Researcher in Maxillofacial Prosthodontics - University of Bologna - Italy
- Cipriani Riccardo Director of Plastic Surgery Unit - S.Orsola-Malpighi Hospital , Bologna - Italy
- Cocchi Roberto Director of Maxillofacial Surgery Unit, Casa Sollievo della Sofferenza, S.Giovanni Rotondo (FG) - Italy
- Defila Luca Resident in Orthodontics - University of Chieti - Italy
- Ferrari Vincenzo Chief, ENDOCAS Center - University of Pisa - Italy
- Farronato Giuseppe Professor of Orthodontics - University of Milan - Italy
- Ferronato Giuseppe Professor of Maxillofacial Surgery - University of Padua - Italy
- Festa Felice Professor of Orthodontics - University of Chieti - Italy
- Galantucci Luigi Maria Professor of Manufacturing Processes, Politecnico di Bari - Italy
- Gianni Aldo Bruno Professor of Maxillofacial Surgery - University of Milan - Italy
- Gladstone Ken Bachelors degree in Computer Science and Engineering - Los Angeles - USA
- Iannetti Giorgio Bachelor of Maxillofacial Surgery - University of Rome "La Sapienza" - Italy
- Jürgens Philipp Maxillofacial Surgeon - Co-founder of the Computer Aided and Image Guided Medical Intervention - Basel - CH
- Lancellotti Lorenzo Maxillofacial Surgeon - GVM Care & Research - Italy
- Marchetti Claudio Professor of Maxillofacial Surgery - University of Bologna - Italy
- Mazzoni Simona PRIN Scholar - MIUR - Italy
- Mazzoni Pier Francesco Professor of Maxillofacial Surgery, University of Verona - Italy
- Pasquini Ernesto Director of ENT Unit - USL Bologna - Italy
- Pellegrino Gerardo Phd Student in Surgical Sciences - University of Bologna - Italy
- Piersanti Luigi Phd Student in Surgical Sciences - University of Bologna - Italy
- Pirodda Antonio Professor of Otorhinolaryngology, University of Bologna - Italy
- Pironi Marco Adjunct Professor - Dental School - University of Bologna - Italy
- Tarsitano Achille Umberto Veronesi Foundation Scholar - Italy
- Xia James Professor Department of Orthodontics - University of Texas - USA
- Zeilhofer Hans Florian Professor of Maxillofacial Surgery - University of Basel - CH

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