Augmented Reality and New Technologies in Maxillofacial Surgery Area

S. Orsola-Malpighi Hospital University of Bologna
March 28th-29th, 2014

REGISTRATION FEES

<table>
<thead>
<tr>
<th>28.3.2014</th>
<th>WORKSHOPS</th>
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<tbody>
<tr>
<td>1. 3D and 4D Stereophotogrammetry</td>
<td>100 € + VAT</td>
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<tr>
<td>2. 3D planning in orthodontic and orthognathic surgery</td>
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<td>3. Piezo-navigated Surgery</td>
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<td>4. 3D CAD-CAM plates in oncology and orthognathic surgery</td>
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<td>5. 3D Endoscopy</td>
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<td>6. Intraoral Scanning</td>
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<td>7. Simulation Guided Navigation (live surgery)</td>
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<th>29.3.2014</th>
<th>SYMPOSIUM</th>
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<td>300 € + VAT</td>
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Trainees will be free up to 15th of March 2014

Secretariat Scientific Committee
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Credits
European and Italian credits for CME/ECM will be requested

For information
www.3dbo.it

Official Language
The official language is English
Workshops

Morning Sessions
1. 3D and 4D Stereophotogrammetry
2. 3D planning in orthodontic and orthognathic surgery
3. Piezo-navigated Surgery
4. 3D CAD-CAM plates in oncology and orthognathic surgery
5. 3D Endoscopy
6. Intraoral Scanning

Afternoon Session
7. Simulation Guided Navigation (live surgery)

Symposium

Registration

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

Session I: Engineering and Imaging
P. Cattin (Basel, Switzerland): New perspectives in 3D imaging and virtual environments for surgery
L. Ciocca (Bologna, Italy): Custom-made innovative composite scaffold for bone regenerative medicine
Discussion

Session II: New Tools in Diagnosis
A. Ayoub (Glasgow, UK): 4D Stereophotogrammetry
B. L.M. Galantucci (Bari, Italy): Polishape 3D and 4D
S. Mazzoni (Bologna, Italy): 3D stereophotogrammetric analysis in orthognathic surgery
Discussion

Coffee with the Companies

Session III: 3D in Orthodontic
M. Pironi (Bologna, Italy): Intraoral scanner and virtual set-up
L. Defila (Bologna, Italy): 3D analysis of dental movements in presurgical orthodontic
Discussion

Session IV: 3D Accuracy in 3D Planning
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

Session V: 3D in implant and oncology surgery
G. Pellegrino (Bologna, Italy): Intraoral navigation in implantology
P. Jurgens (Basel, Switzerland): Computer-assisted Robot-guided Laser Osteotome (CARLO)
E. Pasquini (Bologna, Italy): 3D endoscopy in Head and Neck surgery
Discussion

Coffee with the Companies

Session VII: Augmented Reality
V. Ferrari (Pisa, Italy): Wearable Augmented Reality for Surgery
G. Badiali (Bologna, Italy): Video See-through and Optic See-through Augmented Reality Systems (ARS) for Maxillofacial Surgery
H.F. Zeilhofer (Basel, Switzerland): Latest results in Augmented Reality in CMF surgery
Discussion

The “Arturo Beretta Lecture”
J. Xia (Houston, USA): The Surgical Planning Lab in Houston

Closure