

## Saturday

5:00pm-7:00pm Welcome Reception

## Sunday

8:00am Conference Registration

9:00 AM	<b>OPENING CEREMONY</b>		<i>Adrian Sugar, Leighton Andrews AM, Deputy Minister for Regeneration Wales Assembly Government, John Wolfaardt, Rainer Schmelzeisen, Bernard Devauchelle</i>
	<b>PLANNING</b>		<i>Presentation Title</i>
	<b>Moderators</b>	<b>Rainer Schmelzeisen and David Patton</b>	
	<b>KEYNOTE SPEAKERS</b>		
9:15 AM	<b>Bernard</b>	<b>Devauchelle</b>	<i>Planning for Facial Transplant and Reconstructive Surgery</i>
9:45 AM	<b>Daniel Devin</b>	<b>Buchbinder Okay</b>	<i>3D Planning for Facial Deformity / Head and Neck Reconstruction and Rehabilitation</i>
10:30 AM	<b>Exhibitor Break</b>		
	<b>ABSTRACTS</b>		
	<b>Moderators</b>	<b>Richard Bibb and Jules Poukens</b>	
11:00 AM	Claudio	Marchetti	<i>Maxillo-Facial Surgery Simulation from 3D CT Images</i>
11:10 AM	Mans	Eeg-Olofsson	<i>Virtual Planning for Safe Insertion of a Long Titanium Fixture in the Mastoid</i>
11:20 AM	Jan	DeCubber	<i>"Closing the Circle" (Where Advanced Computer Technology and the Production of Cranio Facial Epitheses Meet)</i>
11:30 AM	Dominic	Eggbeer	<i>Conclusions on the Application of Digital Technologies in Soft Tissue, Extra-Oral Prosthetics</i>
11:40 AM	Muriel	Brix	<i>Towards a three-dimensional software model of the oral cavity for tongue surgery planning</i>
11:50 AM	Horacio	Zenha	<i>Free Flaps for Mandible Reconstruction Designed by 3-D Biomodeling Technology - Experience of 34 Cases</i>
12:00 PM	<i>Discussion</i>		
12:25 PM	<b>Conf. Lunch &amp; Exhibition Break</b>		

## ENDOSCOPY

**Moderators:** Adrian Sugar and Nils-Claudius Gellrich

	<b>KEYNOTE SPEAKER</b>		
2:00 PM	<b>Carl Snyderman</b>		<i>Endoscopic Skull Base Surgery</i>
	<b>INVITED SPEAKERS</b>		
2:30 PM	<b>Moni Abraham</b>	<b>Kuriakose</b>	<i>The Case for Open Skull Base Surgery</i>
2:50 PM	<b>Ralf</b>	<b>Schön</b>	<i>Endoscopy for Maxillofacial Surgery</i>

	ABSTRACTS		
3:10 PM	Sabine	Goldhahn	<i>Patient Benefit from Endoscopically Assisted Fixation of Condylar Neck Fractures- Results of a Randomized-Controlled Trial</i>
3:20 PM	Christoph	Sensen	<i>Touring into Human Anatomy for Virtual Head and Neck Surgery</i>
3:30 PM	Hadi	Seikaly	<i>Bone Impacted Fibula a New Technique of Increasing Bone Density for Placing Dental Implants</i>
3:40 PM	<i>Discussion</i>		
4:05 PM	Exhibitor Break		

## PLANNING

Moderators: Hans-Florian Zeilhofer and Alan Bocca

4:35 PM	Stephen	Rouse	<i>Rapid Manufacture of Titanium Porous Mesh Cranioplasties using the Electron Beam Melting (EBM) Technique: Application to Battlefield Injuries</i>
4:45 PM	Jules	Poukens	<i>Rapid Manufacturing of Medical Implants: An Overview</i>
4:55 PM	Andy	Christensen	<i>The Electron Beam Melting (EBM) Rapid Manufacturing Method: Application To Alloplastic Head And Neck Reconstruction</i>
5:05 PM	J. Thomas	Lambrecht	<i>Three Dimensional Individual Models Based on Digital Volumetric Data</i>
5:15 PM	Pravin	Patel	<i>A Virtual Approach to Craniosynostosis Reconstruction</i>
5:25 PM	Simonas	Grybauskas	<i>Accuracy of Surgery of Maxillofacial Deformities after 3D Planning and Simulation on SL Models</i>
5:35 PM	<i>Discussion</i>		
6:00 PM	Adjourn		

7:30 PM Poster Session, Exhibit Reception & Buffet

## Monday

### NAVIGATION

8:45 AM Opening remarks

Moderators: Bernard Devauchelle and John Wolfaardt

### KEYNOTE SPEAKER

9:00 AM **Rolf Ewers** *Navigation in Head and Neck Reconstruction*

### INVITED SPEAKERS

9:30 AM **Nils Gellrich** *Quality Control in the Treatment Process of the Severely Deformed Patient: From*

			<i>Planning to Post-Op Evaluation</i>
	ABSTRACTS		
9:50 AM	Alexander	Schramm	<i>Virtual Models in Computer Assisted Maxillofacial Surgery</i>
10:05 AM	Shilei	Zhang	<i>Establishment and Clinical Application of 3D Navigation Technique Used in Craniofacial Deformity Reconstruction (China Experience)</i>
10:15 AM	Suzanne	Verma	<i>Applications of Surgical Navigational Systems in Extra-Oral Implant Placement</i>
10:25 AM	<i>Discussion</i>		
10:35 AM	<b>Exhibitor Break</b>		
	<b>Moderators: Gösta Granstrom and Jana Rieger</b>		
11:00 AM	Harald	Essig	<i>Precision of Posttraumatic Primary Orbital Reconstruction Using Individually Bent Titanium Mesh with and Without Navigation</i>
11:10 AM	Ralf	Schön	<i>Advanced Orbital Reconstruction using Pre-Formed Titanium Mesh, Computer-Assisted Guidance and Intraoperative Imaging</i>
11:20 AM	Shakir	Mustafa	<i>Orbital Reconstruction using Custom-made Titanium Mesh and Sheets using 3D Imaging and Planning Technologies</i>
11:30 AM	Jeffrey	Marcus	<i>Use of CT-based Virtual Anthropometry to Develop a Normative Database of Paediatric Craniofacial Morphology</i>
11:40 AM	<i>Discussion</i>		
12:00 PM	<b>Conf. Lunch</b>		
	<b>Exhibition Break</b>		
	<b>WORKSHOP ELECTIVE:</b>		<b>Working Lunch included</b>
12:30 PM	<b>Virtual Reality meets</b>		
1:30 pm	<b>Medicine: CAVEman demonstration</b>		

## IMAGING

**Moderators: Rolf Ewers and Christoph Sensen**

	<b>KEYNOTE SPEAKER</b>		
1:30 PM	Stephen	Golding	<i>State of the Art of Image Acquisition in the Head and Neck</i>
	<b>INVITED SPEAKERS</b>		
2:00 PM	Beat	Hammer	<i>Intra-Operative Imaging- The Hirsland Experience</i>
2:15 PM	Marc	Metzger	<i>Intra-Operative Imaging- The Freiburg Experience</i>
	<b>ABSTRACTS</b>		
2:30 PM	Gösta	Granstrom	<i>Use of the Scanora® Technique for Longitudinal Evaluation of Extraoral</i>

### *Osseointegrated Implants*

2:40 PM	Rosie	Seelaus	<i>Evaluation Of Three Dimensional (3D) Digital Data Acquisition Methods For Use In Facial Prosthetic Reconstruction</i>
2:50 PM	Ashraf	Ayoub	<i>Three Dimensional (3D) Analysis Of Craniofacial Morphology</i>
3:00 PM	Henk	Verdonk	<i>Assessment of Vascularity in Irradiated and Non-irradiated Alveolar Bone by Laser Doppler Flowmetry</i>
3:10 PM	<i>Discussion</i>		
3:30 PM	Session close		
<b>4-6:00 PM</b>	<b><u>Workshops</u></b>		
5-5:15 PM	Exhibit Break		
5:15 PM	Exhibit Break-down		
<b>7:30 PM</b>	<b>Reception &amp; Banquet- National Museum Wales</b>		

## **Tuesday**

### **VIRTUAL REALITY**

8:45AM **Announcements**

**Moderators:** Henk Verdonk and Hadi Seikaly

#### **KEYNOTE SPEAKER**

9:00AM **Hans-Florian Zeilhofer** *Virtual Reality in Planning Surgery and Education in Head and neck Surgery*

#### **INVITED SPEAKERS**

9:30AM **Pierre Boulanger** *From 3D Sensors to Virtual Reality: A Continuum of Technologies for Head and Neck Surgical Training*

9:50AM **Robert Sader** *Innovative CMF Imaging- From 3D to 4D*

#### **ABSTRACTS**

10:10AM **Jana Rieger** *Development of a Customizable and Functional 4D Jaw Model*

10:20AM **Kurt Schicho** *Augmented Reality and 3D-Steriolithography for the Correction of Large Bone Defects*

10:30AM *Discussion*

10:40AM **Comfort Break**

**Moderators:** Rosemary Seelaus and Robert van Oort

10:50 AM **Marc Metzger** *Manufacturing Dental Splints for Orthognathic Surgery Using a 3D Printer*

11:00 AM **Farid Taha** *Toward Maxillo-Facial Haptically Enhanced Surgical Simulator*

11:10 AM **Rosie Seelaus** *Computerised Colour Formulation For*

			<i>Black African, British and Caribbean People</i>
11:20 AM	Anke	Korfage	<i>Exploring Volume Reflectivity of Skin; Towards Colour Formulation of Facial Prosthesis</i>
11:30 AM	Ettore	Ramin	<i>Optimised Biomimetic Design of Ingrowth Scaffolds in Craniofacial Implants</i>
11:40 AM	Sebastian	Sauerbier	<i>Rapid Prototyping and Mesenchymal Stem Cells for the Regeneration of Hard Tissue</i>
11:50 PM	<i>Discussion</i>		
	<b>Moderator: Adrian Sugar</b>		
12:05 PM	<b>Conference Summation</b>	Professor Joachim Prein	
12:20 PM	<b>Future Conferences</b>	Professor Rainer Schmelzeisen	
	<b>Announcements</b>	AWS, JW, RS, BD	
12:30 PM	<b>Conference Adjourns</b>		
1:00 PM	<b>Social Outing- Castles &amp; Pubs</b>		

Program will be updated... *please return to this page for presentation titles, presenters and session titles.*