

THE 3D PRINTING REVOLUTION AND THE DENTAL SECTOR: OPPORTUNITIES AND CHALLENGES

November 30th, 2016

Co-hosted by MEPs

Dario Tamburrano (EFDD) and

Patrizia Toia (S&D)

Under the patronage of:

Italian Dental Association (AIO)

Venue: Leopold Hotel Brussels EU, rue du Luxembourg 35,
1050 Brussels

Time: 09:30 – 13:00

(Registration desk will be available from 09:00)

Interpretation: IT- EN

Streaming (IT)

Registration: *please go to <https://goo.gl/86N8JK>
and fill in the form*



*The Medical and Dental sectors represent roughly the **13.1%** of Additive Manufacturing usage (Wohlers, Report 2015, p.21) and they are driven particularly by mass customisation and personalisation. AM offers the possibility to simplify the production chain obtaining fully dense structures but with a level of microporosity that improves the osseointegration of implants: tens of thousands of 3DP-fabricated metal implants are in fact produced every year.*

Invisalign® dental braces and also crowns are among the most well-known 3D-printed products. Braces are produced indirectly as the moulds are 3D-printed first and only later used to manufacture the braces themselves. The main driver for 3D-printing application is its capability to allow for mass customisation. In fact, several millions of moulds are printed every year and a similar approach is used for producing dental crowns, an application started years ago with the production of dental restorations such as veneers, inlays, crowns and bridges using dental CAD-CAM systems. The constantly decreasing costs of processing production, thanks also to the introduction of a new range of digital intra-oral scanners, will ensure further developments in the sectors.

It is expected that additive processing of layered fabrication will start to be employed in the manufacture of prostheses, which is currently dominated by subtractive machining technology.

The event aims at developing a debate among policymakers, European commission and industrial stakeholders on the future of a promising and enabling sector in full development, mainly focusing on the relations between EU institutions, 3D printing and the Medical and Dental sectors.

Programme

9.00 to 9.30 - Registration

9.30 to 10.00

Introductory remarks

Welcome by **Dario Tamburrano** and **Patrizia Toia**, Members of the European Parliament, co-hosts
Address by **Jerzy Buzek**, Member of the European Parliament, Chair of the ITRE Committee
Key messages by **Marco Landi**, President of the Council of European Dentist (CED), **Pierluigi Delogu**, President of the Italian Dental Association (AIO) and **Alessandro Gamberini**, President of the Federation of the European Dental Industry (FIDE)

10.00 to 11.00 - I Session

Setting the future legal framework

Chair: **Dario Tamburrano**

Colette Mahoney, Head of Unit, Photonics - DG CONNECT
Tapani Piha, Head of Unit, Cross Border healthcare, E-Health - DG SANTE
Salvatore Scalzo, Legal Assistant, Health technology and Cosmetics Unit - DG GROW
Jose-Lorenzo Valles, Head of Unit, Advanced Manufacturing system and biotechnologies - DG RTD

Q&A

11.00 to 11.15 - Refreshment break

11.15 to 12.45 - II Session

Challenges and opportunities for 3D printing in the dental sector: roundtable with stakeholders

Moderator: **Giorgio Magistrelli**, EFDD adviser for additive manufacturing

Peter Mercelis, Co-founder and Director of applied technologies, 3D Systems
Maurizio Costabeber, General Manager, DWS
Martin Bullemer, Business Development Manager Medical, EOS
Ali Tinazli, Global Head of Healthcare and Life Sciences Strategy & Incubation 3D printing, HP
Philip Oris, Director Business Development Medical & Dental, SLM Solutions
Steffen M. Mueller, General Manager Dental Solutions, Stratasys
Vittorio Gaudino, General Manager, Sisma

Q&A

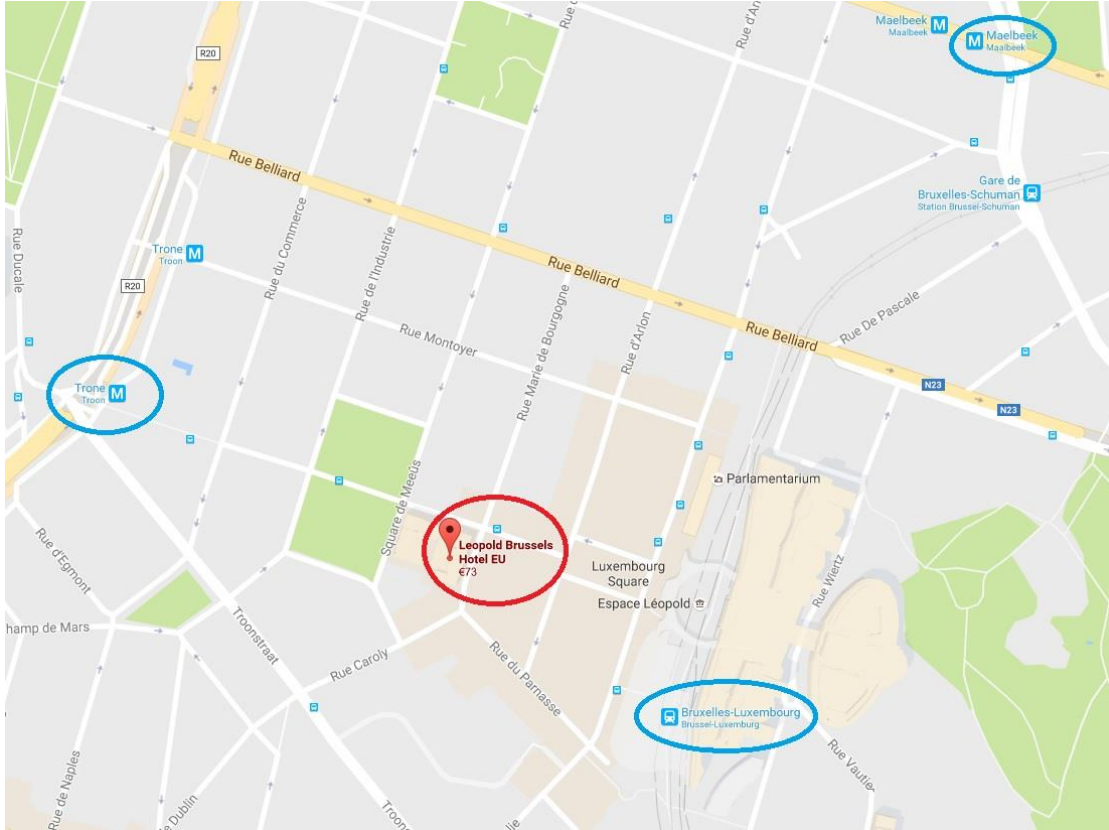
12.45 to 13.00 - Closing remarks

by **Dario Tamburrano** and **Pierluigi Delogu**

Registration desk the day of the event

Where: Leopold Brussels Hotel EU, Brussels, rue du Luxembourg 35

What time: between 09h00 and 09h30



How to get there:

Metro: line 2 towards Elisabeth, get out at Trône and walk to the Leopold Brussels Hotel (5 min); line 1 or 5 to Maelbeek and walk to the Leopold Brussels Hotel (10 min).

Bus: number 27, 34, 38, 80, 95, 12 to/from the airport (after 8pm number 21), 22, 27, 64. Bus stop: Luxembourg

Train: there are different ways depending on which station you are travelling to:

- Bruxelles-Luxembourg station is opposite the main Parliament building, walk to the Leopold Hotel.
- Bruxelles-Central station: connection via bus number 38 (towards Héros), stop at Science, walk to Leopold Hotel OR connection via metro (lines 1 or 5), stop at Maelbeek, walk to Leopold Hotel;
- Bruxelles-Midi stations: take metro line 2 (towards Elisabeth), stop at Trône, walk to Leopold Hotel.