

Panos Diamantopoulos

DPhil, Dr. Eng.



Dr. Panos Diamantopoulos is a Consultant in Image Guided Surgery and Research Professor and Director of the Biomedical Modelling Unit at the University of Sussex, UK.

He completed his BEng (Honors) Degree in Mechanical Engineering with focus on Implant Biomechanics at the University of Brighton (1995). He followed a Master program (MPhil) in Computational Implant Biomechanics and received his Doctorate Degree (DPhil) in Biomedical Engineering from the University of Sussex (2001) for establishing a novel approach in Computer Assisted Surgery.

Dr. Diamantopoulos has been working for 20 years at the interface of engineering and medicine with the aim of introducing engineering processes in clinical practice. He was the first engineer to investigate actively the integration of Medical Imaging with Computer Aided Design (CAD), Numerical Simulations (FEA) and Manufacturing (CAM/RP) and has long experience on developing and applying relevant techniques for image-guided surgical interventions.

His whole professional life, as a Research Assistant, Officer, Fellow, and Director at the University of Sussex (since 1995), has been committed to proving and promoting the value of 3D digital engineering for diagnosis, pre-operative planning, and surgical guidance. He has collaborated with many leading universities including Oxford, UCL, Leuven, Padova, EPFL, and Athens, as well as research and commercial institutions such as DSTL (UK Ministry of Defense) and Materialise N.V. contributing to relevant technology.

As a Consultant in Image-Guided Surgery (since 1999), has worked with many hospitals and private practices on more than 2000 clinical cases in Dental and Maxillofacial Surgery. He has been acting as an Instructor in Computer Guided Implantology for many implant companies.

Dr. Diamantopoulos has been awarded as a 'Distinguished Researcher' and contributed many peer-reviewed journal and conference articles (more than 75). Has organized numerous relevant clinical seminars and workshops (more than 100) and has served in a number of scientific committees and editorial boards. He has been invited by hospitals, universities and companies to give relevant talks and lectures.

Among other professional affiliations, he is a member of the International Society of Computer Assisted Surgery (ISCAS), the European Society of Biomechanics (ESB), and the International Society of Biomechanics. He is also a founding member of the Hellenic Society of Biomechanics and the Hellenic Society of Computer Assisted Surgery and Implantology (HSCASI).

A handwritten signature in black ink, appearing to be 'P. Diamantopoulos', written in a cursive style. The signature is located to the right of the main text block.

Seminar & Workshop

L'Implantologie Digital 3D

cours du 7 mars 2013

Clinique Dentaire de Lausanne, Bussigny

Description:

L'objectif de ce cours est de fournir les connaissances de base sur l'application de la technologie numérique 3D dans les directives de diagnostic, de la planification et de la chirurgie des implants dentaires.

Le participant verra, étape par étape, à travers l'ensemble du processus - la numérisation, la planification, la guidance - et sera montré tout le nécessaire pour utiliser cette technologie à son avantage.

Le séminaire est certifié par `SimPlant Academy`.

Instructeurs:

Dr Vincent Bezos

Dr Panos Diamantopoulos DPhil

Contenu:

- *Numérisation dentaire, traitement d'image, planification et guidance d'implant*
- *Démonstration du logiciel, guides et outils chirurgicaux*
- *Présentation de cas cliniques*
- *Formation pratique sur le logiciel 3D*
- *Option «Planifiez votre Cas »*

Lieu: Clinique Dentaire de Lausanne, Bussigny

Duration: 14.00 – 22.00

Inscription : Veuillez remplir et renvoyer le formulaire au Dr Vincent Bezos

Programme

- **Introduction à la technologie de l'Implantologie 3D**

14.00-15.00

- **Présentation de cas**

15.00-16.00

Pause-Café

- **Démonstration du logiciel 3D et des solutions pour la chirurgie guidée**

16.30- 18.00

Dinner snack

- **Formation Interactive du logiciel**

19.00-22.00

A l'issue de cette formation sur le logiciel, le participant sera capable de:

- Évaluer l'anatomie du patient en 3D
- Lire les images (CB) CT et de naviguer entre les vues 2D et 3D
- Mettre en évidence les structures vitales, telles que le nerf alvéolaire
- Utilisez la bibliothèque d'implants et présélectionner les implants préférés
- Placer les implants réalistes et ajuster leurs positions
- Visualiser et analyser la densité osseuse