Seminar series: Selected research topics in Biomedical Engineering

Location: Kleiner Hörsaal, Universitäres Zentrum für Zahnmedizin Basel (UZB)

Date and time: Thursday, 9. May 2019, 12:00-13:30

Titanium alloys for biomedical purposes

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Prof. Michael de Wild is a physicist and has a PhD degree from the University of Basel. He gained industrial experience at the R&D department of Endress+Hauser as a sensor-engineer before he entered Swiss MedTech and worked as a research scientist at Straumann AG developing and commercializing new biomaterials and production processes for dental implants. In 2007 he became professor at the University of Applied Sciences Northwestern Switzerland FHNW at the Institute for Medical Engineering and Medical Informatics IM^2, School of Life Sciences in Muttenz. His research focus is in surface and materials sciences for the development of implants and surgical support systems. He has experience in additive manufacturing and qualification of implants (out of titanium, shape-memory NiTi-alloy and degradable magnesium) for in-vitro, in-vivo and clinical applications. Prof. de Wild is the author of numerous publications and the owner of multiple patens in the medical device industry. He is also an active member of the executive committee of renown societies such as the Swiss Society for Biomaterials and Regenerative Medicine (SSB+RM), as well as a member of the Swiss Physical Society (SPS). Since 2011 he is part of the program committee of the [MEET THE EXPERT] Conference “Materials and Surface Technology for Implants”.