Invitation

Who:

prof. Kathleen Denis (KU Leuven, Belgie)

Topic:

The use of vibro-acoustics to assess orthopaedic implant stability

When:

18.10., 12:30

Where:

Building B, room B5

Curriculum Vitae Kathleen Denis

Kathleen Denis was born in Schoten (Belgium) on June, 23rd in 1973. In July 1997, she obtained the degree of Master of Science in Engineering at the Department of Mechanical Engineering of KU Leuven (Belgium), with a master's thesis entitled 'Mechanical analysis of the screw-bone-interface of pedicle screws' (in Dutch). From October 1997 until October 2004, she worked at the Division of Biomechanics and Engineering Design of KU Leuven and was consecutively involved in a multidisciplinary research project 'Automation and robot-assistance in total knee arthroplasty', funded by the Fund for Scientific Research – Flanders, and in the European research project '4D-body scan', for the dynamic registration of skeletal body parts using surface measurements. In December 2005, she obtained a PhD in Mechanical Engineering from KU Leuven, with a PhD thesis entitled 'Robot-Assistance in Total Knee Arthroplasty: Procedure, Registration and Estimation of Local Bone Properties'. From December 2004 to January 2008, she worked at XIOS University College Limburg in Diepenbeek (Belgium). First as research assistant and from October 2006 she was assistant professor and led the research group EMAP, specialised in quality control of complex sheet metal parts. In February 2008, Kathleen Denis became assistant professor at Group T International University College, that became part of KU Leuven in 2013. Kathleen Denis started the research group Smart Instrumentation, with focus on medical instrumentation, and is currently head of the Mechanical Engineering Technology Cluster at Campus Group T Leuven. Since October 2017, Kathleen Denis is associate professor at KU Leuven.

A list of publications can be found at: https://lirias.kuleuven.be/cv?u=U0009405