

Name: Univ.-Prof. Dr.-Ing. Marc Kraft

Official Position: University Professor

Date of Birth: 05.03.1967

Nationality: German

DFG Code: -

Institution: Technical University Berlin
Institute for Design, Micro and Medical Engineering (IKMM)
Department Medical Engineering

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Area of Expertise

Medical devices: design, development, testing and evaluation,
Reprocessing of medical instruments, aids for handicapped
persons

Univ.-Prof. Dr.-Ing. Marc Kraft

Current Post:

- University Professor at the Technical University Berlin; Institute for Design, Micro and Medical Engineering (IKMM), Department Medical Engineering

Current Responsibilities/Activities:

- Chairman of Medical Engineering working Group (region of Berlin-Brandenburg) in the association of German engineers (since 2001)
- Member of the board of Center for innovative health-care technology (Zentrum für Innovative Gesundheitstechnologie, ZiG) of the Technische Universität Berlin (since 2004)
- Chief organizing Prof. of the Master of Science Course for Medical Engineering.
- Current research activities in Development and clinical validation of evidence-based laboratory testing methods and de-vices for assessment of technical aids and medical products; Mobility studies with above-knee-amputees; Development of ultrasonic cleaning technologies for surgical instruments; Development of a measuring tool for the electrical testing of reprocessed intracardial elec-trode catheters, Development of a measuring tool for the Imaging performance of reprocessed intracardial and intravasal ultrasonic catheters, Development of a safety device (pro-tection of overload) for bone-anchored external leg-prosthesis of amputees, Development of load indicator for anchored external leg-prosthesis of amputees, Improvement of foamed mattresses for patients with decubitus ulcers

Professional Membership:

- Member of the German Association of Biomedical Engineering DGBMT (since 1992)
- Member of the association of German engineers VDI (since 1991)
- Member of the Association for Electrical, Electronic & Information Technologies in Germany VDE (since 2002)Verein Deutscher Ingenieure (VDI),

Technical Education:

- Diploma in traffic systems engineering (Dipl.-Ing.), Offiziershochschule für Militärflieger, Bautzen (1989)
- Diploma in mechanical engineering (Dipl.-Ing.), Technische Universität Berlin (1994)
- Dissertation in medical engineering, Dr.-Ing., Technische Universität Berlin (1999)Dr.-Ing. Technical University Berlin

Previous Academic Posts:

- 1994 to 1999 Research Assistant at the Department Biomedical Engineering at Technische Universität Berlin (directed by Prof. Dr.-Ing. U. Boenick)
- 2001 to 2004 Visiting lecturer (Minimally invasive technologies) at Technische Universität Berlin

Previous Industrial and military Posts:

- military pilot (fighter pilot) at 2nd Pursuit Squadron, east-German Army, Neubrandenburg (1989-1990)
- Head of development at Vanguard AG, Berlin (1999-2002)
- Scientific project manager, Strategic technology department at Otto Bock GmbH, Duderstadt (2002-2004)

Examining:

- One Ph.D. thesis's have been realized under supervision of Prof. Kraft since last year, Prof. Kraft has contributed to one external Ph.D. examination in the University of Rostock

Honors:

- Scientific Award (honoring the diploma thesis) of the Offiziershochschule für Militärlieger, Bautzen (1989)
- Erwin-Stephan-Award (honoring the study results) of the Technische Universität Berlin (1994),
- Scientific Award (honoring scientific results of dissertation as the best publication on bio-medical technology) of the German Association of Biomedical Engineering (Deutsche Gesellschaft für Biomedizinische Technik, 2000)