

Andreas Melzer MD DDS

**SMIT Member since 1991, General Secretary since 1999
SMIT president 2000 and co-president 2006**

e-mail: A.Melzer@dundee.ac.uk

Born: 26th April 1960



Curriculum Vitae

Andreas Melzer was born in 1960 and studied Medicine and Dentistry in Mainz and Tübingen. He graduated in Dentistry 1989 and 1993 in Medicine and received his viva in Medicine in 1998. He has 20 years experiences in the development of medical technology for laparo-endoscopic surgery, interventional radiology, interventional & intraoperative MRI and image guided robotics, surgical instrumentation, surgical robotics and Nitinol devices and is named on more than 100 patents and over 200 publications, and exceeding 500 oral and poster presentations. He has served as co editor of six medical journals, and as consultant for major vendors in medicine. Since 1992 he has been actively involved in foundation of 6 companies based on his IP with a total budget of more that € 20 and 4 still successful enterprises. He serves as organizer or chairman of various medical conferences and/or board member of six medical and technical societies. Since 2006 he is Professor of Medical Technology and Founding Director of the Institute for Medical Science and Technology IMSaT, a joint venture of the Universities Dundee and St Andrews, Scotland and GE's first European Centre of Excellence for MRI guided Interventions and Surgery and he serves as Director of the Joint Research Institute Medical Technologies of the Northern Research Partnership of the Universities Aberdeen, Robert Gordon and Dundee. IMSaT has exceeded € 15M total project budget in the last 3 years including 2 EU projects (€ 5.5M) coordinated by Andreas Melzer.

1986-1993 Technology Director at the Minimally Invasive Surgery Lab of Prof Gerhard Buess in Mainz and Tübingen

1993-2000 Training Radiology and Leader Interventional MRI research; Mülheim Radiology Institute University Witten-Herdecke

2000-2006 Clinical Position at the Dept. of Diagnostic and Interventional Radiology and Dept. of Vascular Surgery at St. Mary's Hospital Buer, Gelsenkirchen

1998-2006 Professor of Applied Biomedical Engineering,

2003-2006 Founding Director and Chairman of the Board

Institute for Medical Technologies and Management in Medicine INSITE med.

University of Applied Sciences Gelsenkirchen, Germany

Current position since October 2006

Professor of "Medical Technology" and head of Division,

Founding Director of the Institute for Medical Science and Technology IMSaT of the Universities Dundee and St Andrews, Scotland

Board member of the "Clinical Research Centre" at Ninewells Hospital and Medical School, Dundee

Director of the Joint Research Institute Medical Technology of the Northern Research partnership NRP, (Universities Aberdeen, Robert Gordon and Dundee)

Research

- 20 years experiences in the development on medical technology for laparo-endoscopic surgery, interventional radiology, Interventional and Intraoperative MRI and Robotics, surgical Instrumentation, robotics and Nitinol devices with named on 103 patents and over 200 publications, more than 500 orals and poster presentations .
- Editorial functions
 - “Co Editor in Chief” Endoscopic Surgery and Allied Technologies ESAT 1993-1996
 - Technology Editor” Surgical Endoscopy 1995 - 2003
 - 1996 “Assistant Editor” Minimally Invasive Therapy Allied Technologies
 - 2005 Endoskopie Heute, Thieme Publisher
 - 2007 Computer aided Radiology and Surgery
 - 2009 Editorial Board Surgical Endoscopy
- Co-founder of 8 start up companies in the medical technology business with funding in excess of €20m and many years consulting for major vendors e.g. Olympus, Cordis
- Co-organizer, chairman and invited speaker of various medical conferences and member of 8 medical societies:
- General Secretary of the Society for Medical Innovation and Technology SMIT

.....Board member:

German Society for Endoscopy and Imaging Techniques DGE-BV
German Society for Medical Technologies DGBMT
German Roof Association of Societies of Medical Technologies, DVMT

Committee Chairman

- “MRI Technology in Medicine” Committee at DGBMT
- “Endoscopic Surgery” AA Committee on German Standards DIN
- “MRI Terms and Definitions” working group at Germans Standards DIN AA “Magnetic Resonance”
- “Microsystems in Medicine” Committee 4.6 of GMM and VDE/VDI (Societies for electrical and mechanical Engineering)

Committee member

EAES Technology Committee
ASTM-FDA working group MRI Safety
DIN AA Radiology WG Magnetic Resonance Procedures
CARS Program Committee
SMST Review Committee 2006

Society member

German Society for Endoscopy and Imaging Techniques DGE-BV
German Society for Medical Technologies DGBMT-VDE
German Association of Societies of Medical Technologies DVMT
German Society of Radiology DRG
European Association on Endoscopic Surgery E.A.E.S.
International Society of Magnetic Resonance in Medicine ISMRM
Cardiovascular Interventional Radiology Society of Europe CIRSE