

ERRATA for Book of Abstracts BME 2007 – (Correct author order)

## PRESENTATIONS

22 - Biocompatible poly(trimethylene carbonate) (PTMC) microstructures for tissue engineering

*Tomasz M. Bak, Johannes S. Kanger, Vinod Subramaniam, Sigrid Schüller, Dirk W. Grijpma, Jan Feijen*

27 - In-vivo 3-D range-of-motion of the ankle

*Leendert Blankevoort, Maartje Zengerink, Gabriëlle JM Tuijthof, Lijkele Beimers, Remmet Jonges, Mario Maas, C. Niek van Dijk*

47 - Laser Doppler Perfusion Imaging with a high-speed CMOS-camera

*Matthijs Draijer, Erwin Hondebrink, Wiendelt Steenbergen, Ton van Leeuwen*

54 - Modeling adaptation of cardiac myofiber structure to mechanical load

*wilco kroon, tammo delhaas, peter bovendeerd, theo arts*

68 - The nonlinear mechanical properties of soft (engineered) biological tissues determined by spherical indentation

*Martijn Cox, Debby Gawlitta, Niels Driessen, Cees Oomens, Frank Baaijens*

77 - Clinically Relevant Volumes of Human Tissue Engineered Bone Produced in a Bioreactor System In Vivo Bone Formation

*Frank Janssen, Arie van Oorschot, Jaap Oostra, Inge Hofland, Helma Peters, Clemens van Blitterswijk*

81 - Multiscale tracking in cardiac MR imagery using HARP and OFCE

*Hans C. van Assen, Bart M. ter Haar Romeny*

82 - Implementation and Evaluation of Adherent Living Cell Models

*Daniel Suarez, Jacqueline van der Linden, Harrie Weinans, Fred van Keulen*

85 - Pharmacokinetic analysis of dynamic contrast-enhanced (DCE) MR breast images

*Marieke Heisen, Hans Buurman, Thorsten Twellmann, Anna Vilanova, Frans Gerritsen, Bart ter Haar Romeny*

86 - Pseudo-color visualizations of DCE-MR image series for MR Mammography

*Thorsten Twellmann, Marieke Heisen, Tim W. Nattkemper, Bart M. ter Haar Romeny*

92 - 3D Optical Micromanipulation of Ultrasound Contrast Agents: bubble-bubble and bubble-wall interactions

*Marlies Overvelde, Valeria Garbin, Benjamin Dollet, Sander van der Meer, Michel Versluis, Dan Cojoc, Enrico Ferrari, Nico de Jong, Enzo Di Fabrizio, Detlef Lohse*

117 - Non-invasive patient-specific simulation based assessment of systolic left ventricular pump function and tissue mechanics in an aging population

*Joost Lumens, Tammo Delhaas, Alistair A. Young, Theo Arts*

- 132 - Simulation of Balanced Steady-State Free Precession MRI sequences, the influence of slice profiles  
*Bram F Coolen, Edwin Heijman, Gustav J Strijkers, Klaas Nicolay*
- 141 - In Vivo 3D Cardiac Elastography in an Animal Model of the Human Heart  
*Richard G.P. Lopata, Maartje M. Nillesen, Inge H. Gerrits, Livia Kapusta, Johan M. Thijssen, Chris L. de Korte*
- 145 - Muscle activation in cuff tears; in vivo measurement and model simulation  
*Frans Steenbrink, Jurriaan H. de Groot, Piet M. Rozing*
- 154 - Ultrasound Imaging: A New Way of Determining the Geometry of the Curvature of Human Spine  
*I Ketut Eddy Purnama, Michael H.F. Wilkinson, Albert G. Veldhuizen, Peter. M. A. van Ooijen, Jaap Lubbers, Tri A. Sardjono, Gijbertus J. Verkerke*
- 167 - EEG coherence assessment for diagnosis of attention deficit/hyperactivity disorder: first results  
*Pierre J.M. Cluitmans, Dorine Slaats-Willemse, Jan K. Buitelaar, Jan W.M. Bergmans, Maarten v.d. Velde*
- 168 - Constrained registration of multiple rigid objects in close proximity: Application in the wrist joint  
*M. Van de Giessen, F.M. Vos, S.D. Strackee, M. Maas, C.A. Grimbergen, L.J. Van Vliet, G.J. Streekstra*
- 179 - Spatial Filtering Techniques for Bayesian Classification of Single-Epoch Multichannel EEG and MEG Signals  
*Christian Hesse, Charlotte Brouwer, Bennie ten Haken, Tom Heskes, Ole Jensen*
- 180 - Advanced Ultra Low-Power Biomedical Signal Processing based on Analog Wavelet Transform  
*Sandro A.P. Haddad, Joel Karel, Ralf Peeters, Ronald Westra, Wouter Serdijn*
- 181 - Miniature Steerable Tentacle Mechanism for use in Endoscopes, Instruments, Guide-Wires & Catheters  
*P. Breedveld, J. S. Scheltes, M. J. S. Begemann*
- 185 - The influence of the muscle architecture on the energy balance of skeletal muscle cells.  
*Peter Verhoog, Jeroen Jeneson, Natal van Riel, Ruud van Stiphout, Huub ten Eikelder, Dragan Bosnacki, Peter Hilbers*

## POSTERS

7 - Verbal communication analysis in the OR and the potentials for surgical training  
*Esther M. Blom, Emiel G.G. Verdaasdonk, Laurents P.S. Stassen, Henk G. Stassen, Peter A. Wieringa, Jenny Dankelman*

16 - VEGF-E Adsorption on the Surface of a Vascular Prosthesis enhances Endothelial Cell Growth without affecting Blood-Compatibility.  
*Menno Knetsch, Karin Leenstra, Yvette Aldenhoff, Leo Koole*

31 - Functional Scaffolds for Small-Caliber Blood Vessel Tissue Engineering  
*Serge H.M. Söntjens, A.W. Bosman, H. Janssen, G.M.L. van Gemert, R.A.E. Renken, F.P.T. Baaijens*

32 - Design of a slave robot for Minimally Invasive Surgery  
*Linda J.M. van den Bedem, P.C.J.N. Rosielle, M. Steinbuch*

38 - Single-wire coronary pressure and flow assessment: proof-of-principle of pressurewire flow assessment in an animal model  
*Maartje Geven, Marcel van 't Veer, Wilbert Aarnoudse, Joost ter Woorst, Marcel Rutten, Nico Pijls, F.N. van de Vosse*

44 - Electric impedance sensing techniques for the monitoring of neuronal migration and aggregation.  
*Remy Wiertz, Wim Rutten, Enrico Marani*

51 - Ambulatory Estimation of Foot Movement during Gait using Inertial Sensors  
*H. Martin Schepers, Peter H. Veltink*

61 - Real-time multi object tracking from different datastreams at different frequencies  
*Benoît Caby, Natal A.W. van Riel, Peter A.J. Hilbers, Benoît Macq*

79 - Polyp Detection in Virtual Colonoscopy Using Curvature Streamlines  
*Lingxiao Zhao, Charl Botha, Javier Bescos, Roel Truyen, Frans Vos, Frits Post, Frans Gerritsen*

96 - Influence of Glenoid Prosthesis Alignment on Interface Micromotions Studied Using FE Analysis  
*Peterjan Broomans, Daniel Suarez, Jacqueline van der Linden, Cees W. Oosterlee, Fred van Keulen, Fred J. Vermolen, Gerard Poort, Piet M. Rozing*

97 - MR Volumetric Image Segmentation and Adaptive 3D Volume Mesh Model Generation for Deformation Measurement of Biological Tissues  
*Penglin Zhang, Shinichi Hirai, Kazumi Endo, Takashi Ikuta, Junji Muramatsu*

102 - Osteochondral Tissue Engineering Based on Mesenchymal Stem Cells  
*Doreen Hamann, Lorenzo Moroni, Luca Paoluzzi, C van Blitterswijk*

- 107 - Using R for genome-wide association analysis  
*Stephan Ripke, Aaron Isaacs, Cornelia van Duijn, Yurii Aulchenko*
- 108 - Donor variation and loss of multipotency during in vitro expansion of human mesenchymal stem cells for bone tissue engineering  
*R Siddappa, R Licht, C van Blitterswijk, J de Boer*
- 118 - Improving EMG-based muscle force estimation using principal component analysis on high-density EMG data  
*Didier Staudenmann, Idsart Kingma, Andreas Daffertshofer, Jaap H. van Dieen, Dick F. Stegeman*
- 125 - The feasibility of Muscle Derived Stem Cells as a cell source for cardiovascular Tissue Engineering  
*Petra Dijkman, Anita Mol, Reinout Hesselink, Carlijn Bouten, Frank Baaijens*
- 144 - Automatic Curvature and Cobb Angle Determination from a frontal X-ray Image of A Scoliotic Patient  
*TA Sardjono, MHF Wilkinson, AG Veldhuizen, PMA Ooijen, GJ Verkerke*
- 149 - Segmentation of the Myocardium in Real-Time 3D Pediatric Echocardiographic Images  
*Maartje M. Nillesen, Richard G.P. Lopata, Inge H. Gerrits, Livia Kapusta, Henkjan J. Huisman, Johan M. Thijssen, Chris L. de Korte*
- 150 - MRI Analysis of the anatomy of the thoracic spine for neuraxial anaesthesia  
*Ruben Lee, paul breedveld, peter wieringa, andre van Zundert*
- 162 - Quantification of proprioceptive reflexes around the wrist during varying external conditions in patients with spasticity after stroke  
*Carel G.M. Meskers, Alfred C. Schouten, Jurriaan H. de Groot, Bob (J) J. van Hilten, Frans C.T. van der Helm, Hans (J). H. Arendzen*
- 176 - High density surface EMG and its applications  
*Dick F. Stegeman, Johannes P. Van Dijk, Bert U. Kleine, Gea Drost, Didier Staudenmann, Jaap H. Van Dieen*
- 187 - A Multidisciplinary Diabetes Simulator  
*Ilham Saadane, Carola van Pul*