EM-dissertations completed in 2006
PhD Theses completed in 2006 (in alphabetic order)

Simulation of bone ingrowth

Andreykiv, A.

Advisor: Prof.dr.ir. A. van Keulen

Delft University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

Optimum Forming Strategies with a 3D Reconfigurable Die

Boers, S.H.A.

Advisor: Prof.dr.ir. M.G.D. Geers
Co-advisor: Dr.ir. P.J.G. Schreurs

Eindhoven University of Technology, 2006

EM research theme: Reliability and Optimization

Efficiency optimization of the push-belt CVT by variator slip control

Bonsen, B.

Advisor: Prof.dr.ir. M. Steinbuch
Co-advisor: Dr. P.A. Veenhuizen

Eindhoven University of Technology, 2006
ISBN-10 90-386-3048-4

EM research theme: Structural Dynamics and Control
Crash Helmet Testing and Design Specifications

Bosch, H.L.A. van den

Advisor: Prof.dr.ir. J.S.H.M. Wismans
         Prof.dr.ir. H. Nijmeijer
Co-advisor: Dr.ir. A.A.H.J. Sauren

Eindhoven University of Technology, 2006
ISBN-10: 90-386-2878-1

EM research theme: Structural Dynamics and Control

Dynamics of the human pelvis
Identification methodology for low back pain diagnosis

Conza, N.E.

Advisor: Prof.dr.ir. D.J. Rixen

Delft University of Technology, 2006

EM research theme: Structural Dynamics and Control

Static Friction in Rubber-Metal Contacts with Application to Rubber Pad Forming Processes

Deladi, E.L.

Advisor: Prof.dr.ir. D.J. Schipper
Co-advisor: Dr.ir. M.B. de Rooijj

University of Twente, 2006

EM research theme: Computational and Experimental Mechanics
Modeling and Remodeling of the Collagen Architecture in Cardiovascular Tissues

Driessen, N.J.B.

Advisor: Prof.dr.ir. F.P.T. Baaijens
Co-advisor: Dr. C.V.C. Bouten

Eindhoven University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

Methodologies for Launcher-Payload Coupled Dynamic Analysis

Fransen, S.H.J.A.

Advisor: Prof.dr.ir. D.J. Rixen

Delft University of Technology, 2006
NUGI: 841

EM research theme: Structural Dynamics and Control

Representative Volumes and Multi-Scale Modelling of Quasi-Brittle Materials

Gitman, I.M.

Advisor: Prof.dr.ir. L.J. Sluys

Delft University of Technology, 2006
ISBN: 90-64641-22-6

EM research theme: Computational and Experimental Mechanics
Mechanical Characterization and Modeling of Curing Thermosets

Van ‘t Hof, C.

Advisor: Prof.dr.ir. L.J. Ernst
Co-advisor: Dr.ir. K.M.B. Jansen

Delft University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

Acousto-Elastic Interaction in Combustion Chambers

Huls, R.A.

Advisor: Prof.dr.ir. A. de Boer
Co-advisor: Dr.ir. P.J.M. van der Hoogt

University of Twente, 2006

EM research theme: Structural Dynamics and Control

Running-in of Rolling Contacts

Jamari, J.

Advisor: Prof.dr.ir. D.J. Schipper

University of Twente, 2006
ISBN: 90-365-2314-1

EM research theme: Structural Dynamics and Control
Modelling the time-dependent mechanical behaviour of steel Reinforced Thermoplastic Pipes

Kruijer, M.P.

Advisor: Prof.dr.ir. R. Akkerman
Co-advisor: Dr.ir. L.L. Warnet

University of Twente, 2006

EM research theme: Computational and Experimental Mechanics

Design Optimization of Shape Memory Alloy Structures

Langelaar, M.

Advisor: Prof.dr.ir. A. van Keulen

Delft University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

The Structure-Permeability Relation of Textile Reinforcements

Loendersloot, R.

Advisor: Prof.dr.ir. R. Akkerman

University of Twente, 2006
ISBN: 90-365-2337-0

EM research theme: Computational and Experimental Mechanics
Space-Time Multiscale Methods for Large Eddy Simulation

Munts, E.A.

Advisor: Prof.dr.ir. R de Borst

Delft University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

Nonlinear Mode Interaction For Thin Imperfect Anisotropic Circular Cylindrical Shells Under Different Loading Conditions

Notenboom, R.P.

Advisor: Prof.dr.J. Arbocz

Delft University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

A subspace based approach to the design, implementation and validation of algorithms for active vibration isolation control

Nijsse, G.

Advisor: Prof.dr.ir. J.B. Jonker
Co-advisor: Dr.ir. J. van Dijk

University of Twente, 2006

EM research theme: Structural Dynamics and Control
Error Estimation and Adaptive Spatial Discretisation for Quasi-Brittle Failure

Pannachet, T.

Advisor: Prof.dr.ir. L.J. Sluys

Delft University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

Discontinuities in Materials and Structures: A unifying computational approach

Remmers, J.J.C.

Advisor: Prof.dr.ir. R. de Borst

Delft University of Technology, 2006
ISBN-10: 90-9021094-6

EM research theme: Computational and Experimental Mechanics

Micro-Elastohydrodynamic Lubrication in Concentrated Sliding Contacts

Sloetjes, J.W.

Advisor: Prof.dr.ir. D.J. Schipper

University of Twente, 2006

EM research theme: Structural Dynamics and Control
Finite Element Based Reduction Methods for Static and Dynamic Analysis of Thin-Walled Structures

Tiso, P.

Advisor: Prof.dr. Z. Gürdal

Delft University of Technology, 2006
ISBN 90-9021336-8

EM research theme: Computational and Experimental Mechanics

Thermal and Structural Performance of Tow-Placed, Variable Stiffness Panels

Wu, K.C.

Advisor: Prof.dr. Z. Gürdal

Delft University of Technology, 2006

EM research theme: Computational and Experimental Mechanics

For a summary of the PhD Theses please look at the EM website:

http://www.em.tue.nl/history/index.php/8