

## Program Meeting Materials - Tuesday 12 December 2017

REGISTRATION				
08.00	Coffee & registration A-Lounge			
OPENING AND INTRODUCTION				
09.00	Rob Boom - M2i Senior Scientific Advisor & Chairman of the day Opening Rotonde			
09.05	Bert van Haastrecht - M2i M2i Rotonde			
09.20	Marc Koper - Leiden University Keynote Atomic-level aspects of anodic and cathodic dissolution of platinum electrodes Rotonde			
9.50	Stewart Williams - Cranfield University Keynote Material properties and control in wire based additive manufacture Rotonde			
ELEVATOR PITCHES				
10.20	Elevator pitches Rotonde			
COFFEE BREAK				
10.50	Coffee break & networking Atrium			
THEME SESSIONS				
11.15	Track 1: Physics of Failure <i>Room:</i> Session chair <i>Jilt Sietsma (TUD)</i>	Track 2: Small scale Additive Manufacturing <i>Room:</i> <i>T.b.c.</i>	Track 3: Composites <i>Room:</i> <i>Ton Peijs (QMU London)</i>	Track 4: Advanced characterization <i>Room:</i> <i>Erik Offerman (TUD)</i>
11.15	Stijn Hertelé (Ugent) - Crack initiation and propagation	Nick Maassen (TU/e) - 3DP-HPA - 3D printed heat pipe array	Davide Nardi (TUD) - Effect of Manufacturing Defects for the automated production of FML	Hans Mulders (FEI) - Developments in Surface Characterisation / SIMS
11.40	Nico kamperman (DAF) - Modelling failure in engines/ cast iron	Christophe Leifoghe (Siemens) - Modelling of damage in 3D printed structures	Frans Scholten (KIWA) - the analyses of composites failure	Amarante Bottger (TUD) - 2D-XRD
12.05	Ankit Kumar (TUD/FOM) - Impact fatigue in several low-alloy steel grades used in railway switches	Paul Grootendorst (SIMULIA) - Simulatie /Abaqus	Sebastiaan Wijskamp (UT) - Overmoulding	Name t.b.c. (UA) - TEM
LUNCH				
12.30	Networking lunch & exhibition Atrium			
THEME SESSIONS				
13.45	Track 5: Damage in metal structures <i>Room:</i> Session chair <i>Rolf Dollevoet (Prorail /TUD)</i>	Track 6: Large scale additive manufacturing <i>Room:</i> <i>Gert Willem Romer (UT)</i>	Track 7: Sustainable Concrete <i>Room:</i> <i>Klaas van Breugel (TUD)</i>	Track 8: Advanced characterization <i>Room:</i> <i>Bart Kooi (RUG)</i>
13.45-14.10	T.b.c.	Marko Bosman (Fokker GKN)	Marija Nedeljkovic (TUD) - Long-term performance of geopolymer concrete systems for production of environment friendly building materials	Stefan Zaefferer MPIE - ECCI (Electron Channeling Contrast Imaging)
14.10-14.35	Ivan Shevtsov (ProRail) - Damage prevention in rail applications	Yashwanth Bandari (Cranfield) - Investigation of Manufacturing Strategies and Thermal Effects in Wire + Arc Additive Manufacturing (WAAM)	Katrin Schollbach (TU/e)	Joachim Loos -DSM, "Vision on Imaging" advanced imaging (local chemical and property mapping with nanometer resolution)
14.35-15.00	Martin Hiensch (TUD/DEKRA Rail) - The interaction between macroscopic loading modes and micro-scale mechanisms in railway switches	Eric Romeijn (Huisman) - large scale additive manufacturing	Jeanette Visser (TNO) - Beton recycling	Bram Schroyen (KULeuven) - Measuring dispersion quality with 'high shear piezo rheometer'
COFFEE BREAK				
15.00	Coffee break & networking Atrium			
PLENARY FINAL SESSION				
15.30	Norman Fleck - Cambridge University Keynote Failure mechanisms in material systems Rotonde			
DRINKS & CLOSURE				
16.00	Drinks & closure Atrium			