

# Program Meeting Materials - Tuesday 11 December 2018

REGISTRATION				
08.00	Coffee and registration <i>Atrium Lounge</i>			
OPENING AND INTRODUCTION				
09.00	Rob Boom (M2i Senior Scientific Advisor & Chairman of the day) Opening <i>Rotonde</i>			
09.05	Bert van Haastrecht (M2i) Introduction Meeting Materials <i>Rotonde</i>			
09.20	Esther de Kleuver (Ministerie van Infrastructuur en Waterstaat) Keynote Sustainability, recycling, materials scarcity <i>Rotonde</i>			
9.50	Theo Salet (Eindhoven University of Technology) Keynote 3D printing of concrete structures , the Industry 4.0 in Architecture Engineering and Construction <i>Rotonde</i>			
ELEVATOR PITCHES				
10.20	Elevator pitches (20 x 90 sec) <i>Rotonde</i>			
COFFEE BREAK				
10.50	Coffee break, networking and exhibition <i>Atrium</i>			
THEME SESSIONS				
11.15	Track 1 Additive manufacturing <i>Rotonde</i>	Track 2 Composites <i>Boston 9</i>	Track 3 Sustainability and circular economy <i>Boston 13</i>	Track 4 Advanced characterization (Smart Light) <i>Boston 17</i>
Session chair	Tessa ten Cate (TNO Brightlands Materials Center)	Ton Peijs (Queen Mary University of London)	Willem van Driel (Signify)	Hessel Castricum (Delft University of Technology)
11.15	Andrea Gasperini (TNO Brightlands Materials Center)	Delphine Carrelassie (Siemens) Engineering with composites: a multi-physics and multi-scale challenge	Ed van Hinte (Lightness studios)	Jom Luiten (Eindhoven University of Technology) - "The Smart*Light ICS project: status and prospects"
11.40	Lucien Douven (DSM)	Tjitse Slange (University of Twente) Physics-based DDesign for TAILored Thermoplastic Composites	Christiaan Bolck (Wageningen University & Research Bioplastics)	Matthieu Boone (Ghent University) New opportunities for high-resolution X-ray CT using the Smart*Light source
12.05	Erik Tempelman (Delft University of Technology))	Marcus Kremers (Airborne)	Thomas Marinelli (Signify) - Circular Economy @Signify	Oleg Kurnosikov (Eindhoven University of Technology) Non-destructive STM defectoscopy of subsurface nanocavities and nanoclusters in metals
LUNCH				
12.30	Networking lunch and exhibition <i>Atrium</i>			
THEME SESSIONS				
14.00	Track 5 Aditive manufacturing <i>Rotonde</i>	Track 6 Composites <i>Boston 9</i>	Track 7 Sustainability and circular economy <i>Boston 13</i>	Track 8 Advanced characterization (Smart Light) <i>Boston 17</i>
Session chair	Theo Salet (Eindhoven University of Technology)	T.b.c.	Guido Verhoeven (SIM)	Jom Luiten (Eindhoven University of Technology)
14.00-14.25	Kris Binon (Flam3D) Why are we still talking about AM	Joost van Dam (Delft University of Technology) Durable composite-to-metal bonded joints for heavily loaded structures at extreme environmental conditions	T.b.c.	Smart Light - Joris Dik (Delft University of Technology) "Smart*light: applications in cultural heritage studies"
14.25-14.50	Jouke Verlinden (University of Antwerpen) The first 3D printed steel bridge	Marc Huisman (TNO Brightlands Materials Center) Predicting mechanical behavior of over-molded thermoplastic composites	Yiannes Pontikes (KU Leuven) An alternative path to follow in the pursuit of more "green" cements: introducing the Extraordinary Leuven Cement	Naima Ali (Surface Measurement Systems) - "How much water can hair fibres take up: a dynamic vapour sorption approach"
14.50-15.15	Jeroen Nuijten, Somayeh Lotfi (BAM) Why we printed a bridge? An overview on the construction process, materials and challenges	Aart Willem van Vuure (KU Leuven) On the road to durable and affordable natural fibre composites, examples from the FlaxPreComp and other projects	Rudy Folkersma (NHL Stenden) Circular Plastics: Research & Education	Frank Renner (Hasselt University) - Looking Deeper in Energy Materials with Atom Probe Tomography
COFFEE BREAK				
15.15	Coffee break, networking and exhibition <i>Atrium</i>			
PLENARY FINAL SESSION				
15.50	Ton van den Boogaard (University of Twente) - Digital twins in material forming Keynote <i>Rotonde</i>			
16.20	Bert van Haastrecht (M2i) Closure <i>Rotonde</i>			
DRINKS & CLOSURE				
16.30	Drinks <i>Atrium</i>			