

## SIM User Forum & Meeting Materials - 22 May 2019 - Programme

Keynotespeakers Advanced Engineering - ..... - organised by Advanced Engineering - FREE							
12:30 – 13:00	Registration						
13:00 – 14:00	Podium : Introduction/Keynote/Enquete/Pitches						
14:15 – 15:00	<b>Flex 1</b> Chair: Ken Elen Energy	<b>Flex 2</b> Chair: Fleur Maes Industry 4.0	<b>Flex 3</b> Chair: Elke Gruyaert Circular Economy	<b>Flex 4</b> Chair: Bert Van Haastrecht Societal Challenges	<b>Flex Lounge</b> Roadmaps IBN Composites	M a t e r i a l s  M a r k e t	
14:15 – 14:35	Zeger Hens - UGent <b>Lighting up, LEDs with non-restricted quantum dots</b>	Brecht Van Hooreweder - KU Leuven <b>3D printing of polymers: relating material and process parameters to final part properties</b>	Karine Van Doorselaer - UAntwerpen <b>Materials fitting into a circular economy</b>	Jean Marc Timmermans - Agoria <b>Challenges of reverse manufacturing of Lithium-ion batteries from e-mobility: closing the loop.</b>	1. Adhesive Bonding for Composites 2. Flame Retardant Composites 3. Composites for Dual Use: Security & Defence		Advies&Koffie van VLAIO
14:35 – 14:55	Gerard van Rooij - Differ & TU/e <b>Plasma chemistry for efficient Power-to-X</b>	Kim Van Tittelboom & Wouter De Corte - UGent <b>3D printing of cementitious materials: challenges to be tackled and perspectives opened</b>	Stein Janssens - Aerocircular <b>Economical end-of-life aircraft fleet management</b>	Lieve Geerts - VITO <b>Nanomaterials: safe innovation</b>			
15:00 – 16:20	Flex Foyer- Materials Market + Networking coffee break + Poster session						
16:25 – 17:15	<b>Flex 1</b> Chair: Dries De Sloovere Energy	<b>Flex 2</b> Chair: Fleur Maes Industry 4.0	<b>Flex 3</b> Chair: Elke Gruyaert Circular Economy	<b>Flex 4</b> Chair: Bert Van Haastrecht Societal Challenges	<b>Flex Lounge</b> Roadmaps IBN Composites	M a r k e t	
16:25 – 16:35	<b>1st Voting Poster Award</b>	<b>1st Voting Poster Award</b>	<b>1st Voting Poster Award</b>	<b>1st Voting Poster Award</b>	4. Lightweight Construction for the Automotive 5. Circularity of Composites		Advies&Koffie van VLAIO
16:35 – 16:55	Wim Velghe - Air Liquide <b>Air Liquide's vision on Hydrogen mobility in 2020</b>	Dr Constantinos Goulas - RAMLAB <b>Developments in Wire Arc Additive Manufacturing (WAAM): towards autonomous production of large metal parts</b>	Laura Kupers - WTCB <b>Concrete in a circular economy: the opportunities and challenges</b>	Ellen van Bueren - TU Delft <b>The importance of a circular economy for a sustainable living environment</b>			
16:55 – 17:15	Jacob Vandermolen - VDL Bus&Coach <b>The transition towards e-mobility</b>	Hunor Erdelyi - Siemens Industry Software <b>Fatigue of Additively Manufactured Metallic Parts: Experiments Meet Multi-Scale Modelling</b>	Marija Nedeljkovic - TUDelft <b>Durability and structural applications of alkali activated fly ash and ground granulated blast furnace slag concrete mixtures (M2i-NWO-TTW project)</b>	Geert Nouwen - Plastic Omnium <b>Composite Pressure Vessels for high pressure hydrogen gas storage: state of the art and future challenges</b>			
17:30 – 18:00	Podium : PITCHES + VOTING + Poster Award Ceremony						
18:00 – (...)	Networking drink by Advanced Engineering						