lightme

AGENDA

Conference Location
Politecnico di Milano (PoliMi) premises, Piazza Leonardo da Vinci 32, 20133 Milano.

*All times are in CET

Link for online participation/ 1st day

Day 1	Thursday 11 May 2023
10:00 – 12:00	**LightMe Project Internal Meeting[1]** **(Closed sessions only for LightMe partners)**
12:00 – 13:45	**Registration, Light Lunch and Posters Session (All participants)** **Location: Building 6, Piazza Piazza Leonardo da Vinci 32, 20133 Milano**
13:45 – 14:00	**Conference Opening** **Location: Room Rogers, Via Ampere 2, 20133 Milano** *Professor Luca Magagnin, PoliMi, LightMe Project Coordinator*
14:00 – 15:40	**Session 1**
14:00 – 14:20	Presentation 1
14:20 – 14:40	Presentation 2
14:40 – 15:00	Presentation 3
15:00 – 15:20	Presentation 4
15:20 – 15:40	Presentation 5
15:40 – 16:00	**Coffee Break**
16:00 – 17:20	**Session 2**
16:00 – 16:20	Presentation 6
16:20 – 16:40	Presentation 7
16:40 – 17:00	Presentation 8
17:00 – 17:20	Presentation 9
17:20 – 18:20	**Workshop** Funding Opportunities
18:30 – 20:00	**Get Together Party** **Location: Building 6, Piazza Piazza Leonardo da Vinci 32, 20133 Milano**

[1] This session is only for LightMe Partners.

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Link for online participation/ 2nd day

Day 2	Friday 12 May 2023
9:00 – 09:25	**Registration** **Location: Room Rogers, Via Ampere 2, 20133 Milano**
09:25 – 09:40	**Keynote Speaker – EU Officer (tbc)**
09:40 – 11:20	**Session 3**
09:40 – 10:00	Project 1
10:00 – 10:20	Project 2
10:20 – 10:40	Project 3
10:40 – 11:00	Project 4
11:00 – 11:20	Project 5
11:20 – 11:40	**Coffee Break**
11:40 – 12:40	**Session 4**
11:40 – 12:00	Presentation 10
12:00 – 12:20	Presentation 11
12:20 – 12:40	Presentation 12
12:40 – 14:00	**Light Lunch and Posters Session** **Location: Building 6, Piazza Piazza Leonardo da Vinci 32, 20133 Milano**
14:00 – 15:00	**Session 5**
14:00 – 14:20	Presentation 13
14:20 – 14:40	Presentation 14
14:40 – 15:00	Presentation 15
15:00 – 15:20	Presentation 16
15:20 – 16:00	**Coffee Break**
End of event	

Session 1		
Code	**Title**	**Name/ Entity**
Presentation 1	Design, manufacturing, assembly and setup of innovativy hybrid powertrain light materials components for energy, automotive and aerospace application.	Dr. Sergio Durante/ Durante Space Tech
Presentation 2 Keynote Speaker	Shape Memory Alloys (SMAs) based Composites for Automotive Crashworthiness Applications.	Mr. Ahmed ELMASRY/ Northumbria University, Newcastle
Presentation 3 Keynote Speaker	Thermoplastic selection for aluminum replacement in electric and electronic devices made by additive manufacturing.	Dr. Joamin Gonzalez-Gutierrez / Luxembourg Institute of Science and Technology (LIST)
Presentation 4 Keynote Speaker	Optimizing the bumper beam and crash box of a vehicle with shape memory alloys for crash worthiness.	Mr. Mohab Elmarakbi/ Northumbria University, Newcastle
Presentation 5	Safe and sustainable by design strategies for lightweight metal alloys with a nanocomponent in LightMe project.	Dr. João P. Laranjeira/ ISQ
Session 2		
Code	**Title**	**Name/ Entity**
Presentation 6 Keynote Speaker	Development and processing of the Al 5356 aluminium alloy by Laser Metal Deposition wire-based technology.	Dr. Julia Ureña Alcázar/ Technology Centre of Metal-Mechanical and transport (CETEMET)
Presentation 7	Implementation success: Open DED-LB/Mw Pilot Line for manufacturing high quality Ti parts.	Dr. Pilar Rey Rodriguez / AIMEN Technology Centre
Presentation 8	Modelling of Laser Based DED Processes Reinforced with Nanoparticles and Validated by Dimension Measurement.	Dr. Gongyuan Zheng/ ACCESS
Presentation 9	High Pressure Die Cast nano-AlN reinforced AZ91 Magnesium Alloy.	Mr. Mahfuz Karim/ Brunel University London
Session 3		
Code	**Title**	**Name/ Entity**
Project 1 Keynote Speaker	ALMA PROJECT Eco-design of lightweight structural parts for electric vehicles	Ms. Vanessa Ventosinos / CTAG – Automotive Technology Centre of Galicia
Project 2 Keynote Speaker	REVOLUTION Project Recycled materials and future electric vehicles	Ms. Tuğba OKAY/ TOFAS

Project 3 Keynote Speaker	MULTHEM Project Multi-material additive manufacturing for lightweight and thermal management	Dr. Marta Álvarez Leal/ CETEMET, Metal-Mechanical and Transport Technology Center
Project 4 Keynote Speaker	SALIENT Project Novel Concepts for Safer, Lighter, Circular and Smarter Vehicle Structure Design for Enhanced Crashworthiness and Higher Compatibility	Prof. Ahmed Elmarakbi/ University of Northumbria at Newcastle
Project 5 Keynote Speaker	FLAMINGO project Lightweight Aluminium Metal matrix nano-composites and validation In Green vehicles	Mr. Enrico Forlin/ MBN NanoMaterialia
Session 4		
Code	**Title**	**Name/ Entity**
Presentation 10 Keynote Speaker	Environmental friendly metallization of 3D printed photocurable resin lightweight objects.	Dr. Alexandros Zoikis Karathanasis/ Creative Nano
Presentation 11 Keynote Speaker	Feasibility study of joining of carbon fibre-reinforced polymer composites and aluminium alloys by electron beam welding for use in lightweight construction.	Ms. Aybike Yalçınyüza/ Fraunhofer Institute of Production Systems and Design Engineering (IPK)
Presentation 12 Keynote Speaker	Repair of impacted thermoplastic composite laminates using induction welding.	Mr. Vedant Modi/ EIRE Composites
Session 5		
Code	**Title**	**Name/ Entity**
Presentation 13	Combined SPS-KOBO technology for manufacturing profiles from aluminum-based composites.	Dr. Dariusz Garbiec/ Łukasiewicz Research Network – Poznań Institute of Technology
Presentation 14 Keynote Speaker	Additive Manufacturing possibility for Stellite 6 with WC particles for repair applications in Bulgaria.	Dr. Svetlana Boshnakova/ Bulgarian Welding Society, Burgas Section Bulgaria (BCQW)
Presentation 15	Characterization of Ti6Al4V + TiC % wt. powder for AM technology	Mr. Alessandro Asaro/ IRIS srl
Presentation 16	SiC and TiC wrought Aluminium composites processed using ultrasound assisted stir casting	Mr. Abdallah Abu Amara/ Brunel University London

Poster Session		
Code	**Title**	**Name/ Entity**
Poster 1	BioNanoPolys Open Innovation Test Bed: Open Innovation Test Bed for Developing Safe Nano-Enabled Bio-Based Materials and Polymer Bionanocomposites for Multifunctional and new Advanced Applications.	Ms. Raquel Moreno/ AXIA Innovation
Poster 2	Patent landscape analysis of lightweight aluminium metal matrix nano-composites for applications in green vehicles.	Dr. Ioanna Katsavou/ EXELISIS
Poster 3	BIOMAC: How bio-based nanomaterial players can effectively build an open community? A tool to its sustainable realisation!	Dr. Marinela Tsakalova/ AXIA Innovation
Poster 4	Open Innovation test bed for development and production of nanomaterials for lightweight embedded electronics.	Mr. Vasilis Maris/ AXIA Innovation
Poster 5	Safe and sustainable by design solutions for the plating on plastics process.	Dr. Alexandros Zoikis Karathanasis / Creative Nano
Poster 6	LightCoce Open Innovation Test Bed: An Ecosystem for the up-scaling of lightweight multi-functional concrete and ceramic materials and structures.	Ms. Maria Tsianti/ EXELISIS
Poster 7	Sustainable materials and process for green printed electronics.	Ms. Fernanda Madeu/ AXIA Innovation
Workshop		
Code	**Title**	**Name/ Entity**
Workshop 1	Funding Opportunities	Ms Marta Lozano/ SD Partners

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