

# ELANTAS Technical Days Conference

## KNOWLEDGE CONNECTS.

WEDNESDAY, 29<sup>TH</sup> NOVEMBER 2023

	<b>ARRIVAL</b>		
11:30 – 12:30	<b>LUNCH</b>		
	<b>PLENAR PRESENTATION</b>		
12:30 – 12:45	<b>Opening ELANTAS Technical Days</b> , Nils Arendt, Head of Marketing, Sales & Technology, ELANTAS Europe		
12:45 – 13:15	<b>Sustainability at ELANTAS</b> , Michela Michelotti; Global Sustainability Manager, ELANTAS GmbH		
13:15 – 13:30	<b>Printing the future – Development of functional inks</b> , Berit Schuster, Head of R&D Printed Electronic, ELANTAS Europe		
13:30 – 13:45	<b>Conventional and Printed Electronics – Synergies between Both Technologies</b> , Dr. Wanja Gitzel; Application Specialist Printed Electronics, ELANTAS Europe		
13:45 – 14:00	<b>COFFEE BREAK</b>		
	<b>AUTOMOTIVE</b>	<b>INDUSTRIAL</b>	<b>POWER GENERATION &amp; DISTRIBUTION</b>
14:00 – 14:25	to be confirmed NN	<b>Trends in motor and transformer developments</b> Dr. Rolf Winter, Managing Director, ZVEI	<b>HV rotating machine trends</b> Jari Jäppinen, ABB
14:30 – 14:55	<b>Polyimide wire enamels Allotherm 610</b> Dr. Fausto D'Emidio, Business Line Manager Wire Enamels, ELANTAS Europe	<b>Silicones for high temperature applications and UV curing silicone gels</b> Dr. Andreas Steinmann, R&D Manager Silicones, ELANTAS Europe	<b>Hybrid Resin products for for global impregnation of mica based insulation systems</b> Janosc de Buck, Head of R&D Quattordio, ELANTAS Europe
15:00 – 15:25	<b>Impregnation Resins and Wire Enamels for (HV) Electric Axle Drive Systems</b> Mario Kuschnerus, eMobility Specialist, Technical Sales, ELANTAS Europe	<b>Sustainable Resin Developments for the Future - Hazard free resins</b> Dr. Simon Rost, Head of R&D Hamburg, ELANTAS Europe	<b>Ageing and tests on VPI processed mica based insulation systems</b> Mattia Ferraris, R&D Manager High Voltage, ELANTAS Europe
15:30 – 16:00	<b>COFFEE BREAK</b>		
16:00 – 16:25	<b>ELANTAS offering for Electric Vehicle component insulation 800V+</b> Fabio Campanini, Head of R&D Collecchio, ELANTAS Europe	<b>Water based Product Developments</b> Federica Campo, R&D Manager Impregnation Resins, ELANTAS Europe	<b>Dry Type transformers environmental classes evolution</b> Eng. Marini, Consultant
16:30 – 16:55	<b>Partial discharges in Electrical Rotating Machines: studies on PD free and PD resistant Insulating Systems</b> Nils Bergemann, Head of Technical Service Lab, Mattia Ferraris, R&D Manager High Voltage, ELANTAS Europe	<b>Innovative Green Wire Enamels and Sustainability Challenges</b> Dr. Giovanna Biondi, Head of R&D Ascoli, ELANTAS Europe	<b>Anhydrides free systems for Insulators and Bushing</b> Ettore Fazio, R&D Manager Casting & Potting, ELANTAS Europe
17:00 – 17:25	<b>Partial discharges in inverter-fed insulation systems: the role of secondary insulation and design perspective beyond trial-and-error approaches</b> Prof. Cavallini, University of Bologna	<b>Sustainable solutions for stator encapsulation</b> Dr. Fabio Campanini, Head of R&D Collecchio (PR), ELANTAS Europe	<b>Thermomechanical simulation of electrical device: powerful tool for material selection</b> Dr. sc. techn. Davide Valtorta, Managing Director, Saecan
17:30 – 18:00	<b>Adhesives for electronics applications</b> Dr. Martin Kirchner, Technical Sales, ELANTAS Europe	NN to be confirmed	NN to be confirmed
19:30	<b>DINNER</b>		

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THURSDAY, 30<sup>TH</sup> NOVEMBER 2023

	AUTOMOTIVE	INDUSTRIAL	POWER GENERATION & DISTRIBUTION
08:30–08:25	<b>Actual developments on solvent free Wire Enamels</b> Dr. Gerd Krämer, CTO, ELANTAS GmbH	<b>Impact of the Linear Coefficient of Thermal Expansion on the Temperature Shock Resistance of Electronic Modules</b> Jens Bürger, Technical Sales, ELANTAS Europe	<b>High voltage and medium voltage electrical insulation system for transformers and rotating machines</b> Matteo Paleari, Senior Product and Service Specialist, Underwriters Laboratory (UL)
09:00–09:25	<b>Electrical devices for railways application: ELANTAS portfolio compliant to EN45545-2</b> Simone Mozzini, Technical Sales Manager Electrical, ELANTAS Europe	<b>Recyclable encapsulants for electronic devices</b> Dr. Alexander Beer, Business Line Manager Electronic, ELANTAS Europe	<b>APG fast post-curing</b> Alessandro Borio, Technical Sales Manager Electrical, ELANTAS Europe
09:30–09:55	<b>to be confirmed</b> NN	<b>1-component polyurethane technology - sustainable protection</b> Dr. Michael Stolzenburg, R&D Manager Electronic, ELANTAS Europe	<b>to be confirmed</b> NN
10:00–10:30	<b>COFFEE BREAK</b>		
10:30–10:55	<b>Total encapsulation of electrical motors: how the selection of the right process conditions influences a good result</b> Morena Cella, R&D Manager Impregnation, ELANTAS Europe	<b>Silicone Applications</b> Michael Suwe, Product Manager Silicones, ELANTAS Europe	<b>Application Technology for Power Generation and Distribution</b> Hanno Steinzen, Hübers
11:00–11:25	<b>Improving thermal management by TIM - Insulation materials with high thermal conductivity</b> Dr. Christian Höhme, R&D Specialist Strategic R&D, ELANTAS Europe	<b>High performance electrical motors</b> Giorgio Lucchi, LUCCHI Elettromeccanica Srl Prof. Federico Caricchi, University of Roma	<b>Charging Coils</b> Max Kneidl, FAPS
11:30–11:55	<b>Batterie Coating</b> Hannes Forster, Product Manager Batteries, ELANTAS Europe	<b>CMR free solutions for industrial applications</b> Alessandro Restori, Product Manager Casting & Potting, ELANTAS Europe	<b>UV-curable Conformal Coatings for Electronic Protection</b> Fabian Varel, Technical Sales, ELANTAS Europe
12:00–12:25	<b>Liquid gap filler: main application and technical challenges in automotive OBC</b> Marco Bianchini, Metasystem	<b>CTI - History, basics, application</b> Gunther Baumgarten, R&D Material Testing, ELANTAS Europe	<b>NN</b> to be confirmed
12:30–13:00	<b>CLOSING TECHNICAL DAYS, Ravindra Kumar, CEO, ELANTAS</b>		
13:00–14:00	<b>LUNCH</b>		