

## **Program and Exhibition Brochure**

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### ABOUT E|DPC

Increasing power consumption, CO2 and NOx reduction, growing mobility and progressing automation – all of these future megatrends are impossible without powerful electric drives. The electrification of the automobile powertrain system is considered crucial, as the whole sector is facing difficulties resulting from the substitution of the complete conventional powertrain. Besides advancing ideas on the design of powerful electric drives, the organization of the manufacturing processes and systems is of utmost importance.

The E|DPC 2024 offers an outstanding platform for the exchange of experiences from developers, researchers and potential users. The focus of the conference is set on the presentation of highly innovative products from various industries as well as manufacturing processes and strategies.

The core topics of the conference will be insulation technologies and the design and process development for windings. In addition, current topics like Aluminum as Conductor Material, Soft Magnetic Materials, Lamination Stacks, Charging Infrastructure and other related topics along the value chain will be presented in accompanying sessions. Comprehensive industrial exhibitions and poster presentations will complement the conference and create a sustainable experience for every participant.

#### **ON-SITE ORGANIZATION**

Tuesday,	26 November 2024,	08:30 AM - 05:15 PM
Wednesday,	27 November 2024,	08:30 AM - 04:30 PM
Phone:	+49 8191 125-318	
Opening time	e table top exhibition:	
Tuesday,	26 November 2024,	09:00 AM - 05:00 PM
Wednesday,	27 November 2024,	09:00 AM - 03:30 PM

#### PUBLICATION

All Scientific Fullpapers accepted and registered will be part of the proceedings of E|DPC. The scientific contributions will be presented orally in various sessions or as poster presentations and the corresponding papers will be published on IEEE Xplore<sup>\*</sup> and indexed by Scopus and Google Scholar.

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## CONTACT

#### CONFERENCE COORDINATOR



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#### ORGANISATION AND REGISTRATION



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#### EXHIBITION AND SPONSORING



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#### SCIENTIFIC GUIDANCE



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# Dear distinguished experts in drive technology!

As in previous years, the transition towards electromobility continues to make progress, despite the ongoing global challenges. In addition to automotive applications, electrification is advancing rapidly in other sectors as well, including commercial vehicles. We are excited to announce that one of this year's keynote presentations at the E|DPC will highlight the challenges of electric drives in commercial vehicles. Paired with other innovations, electric drives play a crucial role in making buses and trucks more sustainable.

Amidst the entire revolution in mobility, the expertise in electric motor production is becoming increasingly vital. The E|DPC presents the latest findings in materials, production processes and electric drive concepts. Seasoned experts and forward-thinking researchers will provide an ideal platform for knowledge exchange and expanding your professional network. Additionally, our exhibitors will present the latest technologies, allowing you to discuss your specific needs and tailor solutions accordingly.

We are thrilled to welcome you back to Regensburg. You can be excited and look forward to two days of engaging presentations and discussions. Stay curious and discover the most recent advancements in electric drive technologies at the E|DPC 2024!

I am looking forward to meeting you in Regensburg!

Franke

Prof. Dr.-Ing. Jörg Franke

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**Wendl C.,** ABM Greiffenberger Antriebstechnik GmbH (DE)

Prof. Werner R., TU Chemnitz (DE)

## TIME SCHEDULE OVERVIEW

	TUESDAY, 26 NOVEMBER 2024
8:30 AM	Welcome Coffee
9:00 AM	Opening of the Conference: Prof. Franke, Jörg, University of Erlangen-Nuremberg
9:10 AM	Opening Keynote: Glonner, Philipp, ARTHUR BUS GmbH (DE)
9:40 AM	Opening Keynote: Dr. Selema, Ahmed, USP3D NV (BE)
10:15 AM	Coffee Break

7	Track 1	Track 2	Track 3
10:45 AM	Winding and Bending	Contacting Technologies	Trends in Electric Machine Design
12:15 PM	Lunch Break		
1:45 PM	Insulation Materials and Technologies I	Analysis and Measurement Technologies	Data-Driven Approaches in Electric Drives Production
3:15 PM	Coffee Break		
3:45 PM	Insulation Materials and Technologies II	Resources and Sustainability	Trends in Production Processes for Electric Drives I
5:15 PM	End of Conference Day One		
7:00 PM	Evening Reception		

	WEDNES	DAY, 27 NOVEMBER 2024	
9:00 AM	Welcome Coffee		
	Track 1	Track 2	Track 3
9:15 AM	Hairpin Stators I	Soft Magnetic Materials I	Thinking outside the Box
10:15 AM	Coffee Break		
10:45 AM	Hairpin Stators II	Soft Magnetic Materials II	Energy Transfer for Electric Vehicles
12:15 PM	Lunch Break		
1:45 PM	Litz Wires	Soft Magnetic Materials III	Trends in Production Processes for Electric Drives II
3:15 PM	Coffee Break		
3:45 PM	Closing Keynote: Dr. Meyer, Martin, MA	N Truck & Bus SE (DE)	
4:15 PM	Best Paper Award and Closing Words		
4:30 PM	End of the Conference		

## TIME SCHEDULE Tuesday, 26 November 2024

8:30 AM	Welcome Coffee		
9:00 AM	Opening of the Conference Prof. Franke, Jörg, University of Erlangen-N	uremberg (DE)	
9:10 AM	Opening Keynote: Redefining OEMs: Sustai		
9:40 AM		indings for High-Speed E-Motors and Weight-	Sensitive Applications
	Dr. Selema, Ahmed, USP3D NV (BE)		
10:15 AM	Coffee Break		
	Session 1: großes Forum	Session 2: Forum 7, 8, 9	Session 3: Forum 2 ,3 ,4
	Winding and Bending	Contacting Technologies	Trends in Electric Machine Design
	Session Chair: Prof. Franke, Jörg, University of Erlangen-Nuremberg (DE)	Session Chair: DrIng. Gläßel, Tobias, Schaeffler Technologies AG & Co. KG (DE)	Session Chair: DrIng. Brandes, Jürgen, Schaltbau GmbH (DE)
10:45 AM	Winding Solutions for a Fast-Moving Market	Repair of Defective Contact Points in Hair- pin Stator Production Using Laser Welding	Deterministic and Stochastic Methods in Discrete Topology Optimization of a Permanent Magnet Synchronous Machine with Surface Mounted Magnets
	Vanzetti, Gianpiero, Marsilli Deutschland GmbH (DE),	Hartmann, Sebastian, PEM of RWTH Aachen University (DE)	Prof. Hahn, Ingo, University of Erlangen- Nuremberg (FAU) (DE)
11:15 AM	Bending and Welding Behavior with Different Copper Grades in the Hairpin Stator Process Chain I	Application of Laser Paint Stripping System in Flat Wire Stator Manufacturing	Comparison of Analytical and Finite Element Based Parameter Identification Methods for Electrical Machines
	Abratis, Cornel, Aurubis AG; Schmid, Laurens, Gehring Technologies GmbH & Co.KG (DE)	Wang, Xianfeng, Nevem Intelligent Technology (Shanghai) Co. Ltd. (CN)	Kalla, Matthias, Fraunhofer IEE (DE)
11:45 AM	Bending and Welding Behavior with Different Copper Grades in the Hairpin Stator Process Chain II	Maximizing the Output of Hairpin Stator Laser Welding by Applied Artificial Intel- ligence	Investigations into unconventional Air Gap Contours in Electrical Machines and their Effects on Radial and Tangential Forces
	Krupa, Martin, Schwering & Hasse Elektrodraht GmbH; Bauer, Martin, WAFIOS AG (DE)	Beranek, Matthias, TRUMPF SE & Co.KG (DE)	Voigtmann, Marco, TU Chemnitz (DE)
12:15 PM	Lunch Break		
	Session 4: großes Forum	Session 5: Forum 7, 8, 9	Session 6: Forum 2,3,4
	Insulation Materials and Technologies I	Analysis and Measurement Technologies	Data-Driven Approaches in Electric Drives Production
	Session Chair: DrIng. Albrecht, Thomas, Mercedes-Benz AG (DE)	Session Chair: Prof. Urban, Nikolaus, Deggendorf Institute of Technology (DE)	Session Chair: DrIng. Hubert, Markus, Valeo eAutomotive Germany GmbH (DE)
1:45 PM	Effects of Wire Bending onto Insulation Morphology	Looking inside Magnets Using Magnetic Field Cameras and Advanced Data Analysis	Image-based Wire Position Detection for a Flexible Twisting Process of Hairpin Stators
	Philipp, Jan, KERN-LIEBERS Group (DE)	Dr. Vervaeke, Koen, Magcam NV (BE)	Schröder, David, Karlsruhe Institute of Technology (KIT) (DE)
2:15 PM	Partial Discharge Minimization for High- Performance Traction Drives Using PFA Magnet Wire	Optimizing Electric Machine Performance through Elasto-Plastic Rotor Stress Analysis	Distance-based Explainable Anomaly Detection for Electrical Machines through Vibration Signals
	Dr. Jung, Jakob, Additive Drives GmbH; Dr. Maeter, Hemke, Daikin Chemical Europe GmbH (DE)	Dr. Passenbrunner, Josef, Linz Center of Mechatronics GmbH (AT)	Lehmann, Michel, TU Ilmenau (DE)
2:45 PM	Wire Enamels - Polyimide vs. PEEK and PAI	Design and Validation of an Inline Curvature Measurement for Flat Wire Straightening in Hairpin Stator Production	Vision-based Pose Estimation of Super- imposed Enameled Wire Ends for Robotic Handling of Powerdense Flat Wire Statorsn
	Brodbeck, Markus, ELANTAS Europe GmbH (DE)	Preitschaft Anja, University of Erlangen- Nuremberg (FAU) (DE)	Henrich, Valentin, University of Erlangen- Nuremberg (FAU) (DE)

#### TIME SCHEDULE Tuesday, 26 November 2024

3:15 PM	Coffee Break		
	Session 7: großes Forum	Session 8: Forum 7, 8, 9	Session 9: Forum 2, 3, 4
	Insulation Materials and Technologies II	Resources and Sustainability	Trends in Production Processes for Electric Drives I
	Session Chair: DrIng. Meyer, Alexander, WITTENSTEIN cyber motor GmbH (DE)	Session Chair: DrIng. Goth, Christian, Vitesco Technologies Germany GmbH (DE)	Session Chair: DrIng. Hubert, Markus, Valeo eAutomotive Germany GmbH (DE)
3:45 PM	Regulatory Affairs in Insulation Materials	Qualitative Study on the Use of Life Cycle Assessments in Electric Drive Production	Induction Heating Technology for E-Mobility Applications
	Brodbeck Markus, Kuschnerus, Mario, ELANTAS Europe GmbH (DE)	Nankemann, Michael, PEM RWTH Aachen (DE)	Dr. Seitzer, Andreas, Himmelwerk Hoch- und Mittelfrequenzanlagen GmbH (DE)
4:15 PM	Revolutionizing Trickle Impregnation: bdtronic's Sustainable Industry 4.0 Inno- vations	Automated Detection of Disassembly States in Electric Motors Using Point- Cloud Comparison	Manufacture of Hollow Coils for a Current- Dense Aerospace Generator
	Motta, Carlo, bdtronic GmbH (DE)	Hansjosten, Malte, Karlsruhe Institute of Technology (KIT) (DE)	Dr. Winter, Alexei, University of Sheffield AMRC (GB)
4:45 PM		Experimental Parameter Analysis for the Disassembly of Magnets from Electric Traction Motors	Application led Qualification of Hairpin Insulation Strength
		Heim, Markus, KIT Karlsruhe Institute of Technology (DE)	Ketzer, Clemens, MARPOSS GmbH
5:15 PM	End of Conference Day One		
7:00 PM	Evening Reception at Leerer Beutel		

## The blue timeslots are marking the application-oriented industrial contributions.

### TIME SCHEDULE Wednesday, 27 November 2024

9:00 AM	Welcome Coffee		
	Session 10: großes Forum	Session 11: Forum 7, 8, 9	Session 12: Forum 2, 3, 4
	Hairpin Stators I	Soft Magnetic Materials I	Thinking Outside the Box
	Session Chair: DrIng. Gläßel, Tobias, Schaeffler Technologies AG & Co. KG (DE)	Session Chair: Prof. Denk, Frank, Deggendorf Institute of Technology (DE)	Session Chair: Prof. Risch, Florian, University of Erlangen-Nuremberg (DE)
9:15 AM	How to Mass Produce a Hairpin Stator	Concepts for Fabrication of Soft Magnet Stator Components in Axial Flux Machines	A Model-Free Direct Control Solution for Multiphase Electric Drives based on Gradients of Electric Variabless
	Jung, Johannes, GROB-WERKE GmbH & Co. KG (DE)	Dr. Weise, Bruno, Fraunhofer IFAM (DE)	Mora Moreno, Pablo, University of Malaga (ES)
9:45 AM	Design and Manufacturing Limits of a Thermoset Composite Overmolded Electric Traction Motor Implementing an Internal Cooling Concept in a Hairpin Winding Stator	Precision Stator Solutions for Flat Wire Windings in Axial Flux Machines	Collaborative Electromechanical Engineer- ing: A Concept to Overcome Domain- and IT-System Borders
	Stemmler, Christian, Fraunhofer Institute for Chemical Technology ICT (DE)	Sinha, Shrivatsa, Precision Pressing Manufacturers (IN)	Prof. Urban, Nikolaus, Deggendorf Institute of Technology (DE)
10:15 AM	Coffee Break		

## TIME SCHEDULE Wednesday, 27 November 2024

	Session 13: großes Forum	Session 14: Forum 7, 8, 9	Session 15: Forum 2, 3, 4
	Hairpin Stators II	Soft Magnetic Materials II	Energy Transfer for Electric Vehicles
	Session Chair: DrIng. Meyer, Alexander, WITTENSTEIN cyber motor GmbH (DE)	Session Chair: DrIng. Kühl, Alexander, University of Erlangen-Nuremberg (DE)	Session Chair: Prof. Haerri, Vinzenz V., Lucerne University of Applied Sciences and Arts (CH)
10:45 AM	Alternative Solutions for Hairpin-Stator Windings in Terms of an Increase of the Cost-Benefit Ratio	Efficiency Increase of Electric Motors by Using Adhesive Bonded Laminated Cores	Challenges and Vision for the Market Introduction of Wireless Power Transfer Charging Products on Vehicle and Infra- structure Side
	Hackmann, Wilhelm, Vitesco Technologies GmbH (DE)	Hardelt, Stefan, Kisling AG (CH)	Ovcaric Tea, Siemens AG, Dr. Lämmle, Christopher, MAHLE International GmbH (DE)
11:15 AM	Comparison of Rotary Draw Bending and Pipe Bending Processes in the Context of Hairpin Technology	Investigating the Role of Non-Oriented Electrical Steels Magnetic Polarisation and Mechanical Strength in Boosting Traction Electric Motor Performance	Comparison of FEM and PINN-Based Prediction of the Power Transmission of ERS with Small Data Sets
	Gerner, Johannes, Karlsruhe Institute of Technology (KIT) (DE)	Dr. Abouelyazied, Ahmed, ArcelorMittal Global R&D Gent (BE)	Vambolt, Eugen, Technische Hochschule Nürnberg Georg Simon Ohm (DE)
11:45 AM	Investigation of the Influence of Process Parameters on the Hairpin Coil Insertion Process	Improvement of the Design and Manufac- turing Processes for Electric Motors Based on Magnetic Measurements	Comparative Analysis of Bonding Ma- terials forlinterface Adhesion between Wireless Power Transfer Segments and Asphalt Road Materials
	Fraider, Felix, Karlsruhe Institute of Technology (DE)	Dr. Mierczak, Lukasz, Dr. Brockhaus Messtechnik GmbH & Co. KG	Ehrlicher, Patrick, University of Erlangen- Nuremberg (FAU) (DE)
12:15 PM	Lunch Break		
	Session 16: großes Forum	Session 17: Forum 7, 8, 9	Session 18: Forum 2 ,3, 4
	Litz Wires	Soft Magnetic Materials III	Trends in Production Processes for Electric Drives II
	Cossion Chair Duct Disch Florian	Consist Chain Deef Linkers Nilsslave	
	Session Chair: Prof. Risch, Florian, University of Erlangen-Nuremberg (DE)	Session Chair: Prof. Urban, Nikolaus, Deggendorf Institute of Technology (DE)	Session Chair: Prof. Rudolph, Christian, Hochschule für Angewandte Wissenschaf- ten Hamburg (DE)
1:45 PM		Deggendorf Institute of Technology (DE) Influence of Compressive Stresses on Core Losses and Magnetization Demand of Electrical Steel Sheets and Press Fitted	Hochschule für Angewandte Wissenschaf-
1:45 PM	University of Erlangen-Nuremberg (DE) Efficiency Optimisation of Electric Traction Motors with High Frequency Litz Wires as	Deggendorf Institute of Technology (DE) Influence of Compressive Stresses on Core Losses and Magnetization Demand	Hochschule für Angewandte Wissenschaf- ten Hamburg (DE) Implementation of an Information Model for the Electric Motor Production using
1:45 PM 2:15 PM	University of Erlangen-Nuremberg (DE) Efficiency Optimisation of Electric Traction Motors with High Frequency Litz Wires as a Substitution of Enameled Wires Platte, Volkmar, ELEKTRISOLA Dr. Gerd	Deggendorf Institute of Technology (DE) Influence of Compressive Stresses on Core Losses and Magnetization Demand of Electrical Steel Sheets and Press Fitted Stator Cores	Hochschule für Angewandte Wissenschaf- ten Hamburg (DE) Implementation of an Information Model for the Electric Motor Production using the Asset Administration Shell Klein, Nikolaus, Karlsruhe Insitute of
	University of Erlangen-Nuremberg (DE) Efficiency Optimisation of Electric Traction Motors with High Frequency Litz Wires as a Substitution of Enameled Wires Platte, Volkmar, ELEKTRISOLA Dr. Gerd Schildbach GmbH & CO. KG (DE) Investigation of Adhesion Properties be- tween Secondary Impregnating Resins and	Deggendorf Institute of Technology (DE) Influence of Compressive Stresses on Core Losses and Magnetization Demand of Electrical Steel Sheets and Press Fitted Stator Cores Regnet, Martin, TH Nürnberg GSO (DE) Joining of Laminated Core and Shaft of an Electric Machine Rotor by Electromagnetic	Hochschule für Angewandte Wissenschaf- ten Hamburg (DE) Implementation of an Information Model for the Electric Motor Production using the Asset Administration Shell Klein, Nikolaus, Karlsruhe Insitute of Technology (KIT) (DE) Improving Motor Performance with The Latest Innovations in Conductor Forming
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### ABOUT SÜDDEUTSCHER VERLAG VERANSTALTUNGEN GMBH

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## TABLE TOP EXHIBITIONTuesday, 26 November and Wednesday, 27 November 2024

E|DPC Table Top Exhibition showcases components, semi-finished goods and materials as well as production-related cutting-edge processes in the production of electric drives and generators.

Meet German and international providers of this technology. Find out about the latest products, innovations and trends, as well as current issues to produce your electric drive or generator. You will receive trend-setting impulses for the use and processing of new materials, productive and flexible assembly technologies as well as innovative motor topologies and control concepts.

Visit the Exhibition *in the Foyer Ground Floor* and take the chance to meet new dialogue partners from industry and science.

#### **Exhibition topics**

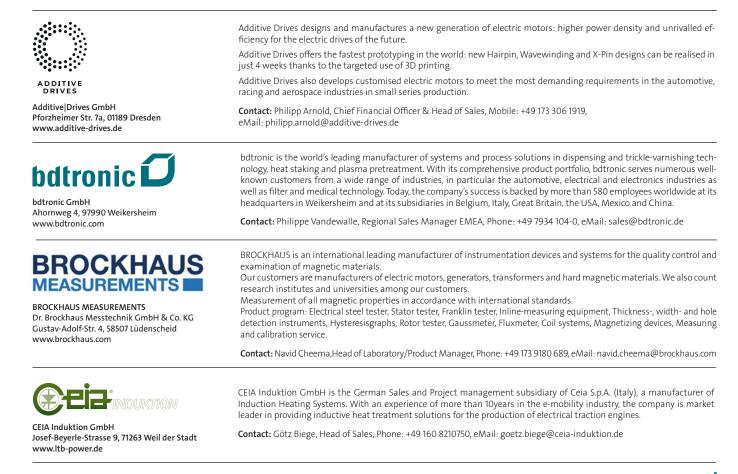
The structure of the product groups are based on the valuechain and the production-related cutting-edge processes in the field of the production of electric drives and generators.

#### Value-chain

- Components
- Semi-Finished Goods and Materials

#### Production-related cutting-edge Processes

- Production Techniques/Manufacturing Facilities and Tools
- Quality, Testing/Measurement/Diagnostic Systems
- Electric Drives Manufacturing Services



## TABLE TOP EXHIBITIONTuesday, 26 November and Wednesday, 27 November 2024

## C ELANTAS

ELANTAS Europe GmbH Grossmannstr. 105, 20539 Hamburg www.elantas.com/europe



Universität Erlangen-Nürnberg FAPS Fürther Str. 246b, 90429 Nürnberg www.faps.fau.de



Gehring Technologies GmbH + Co. KG Gehringstraße 28, 73760 Ostfildern www.gehring-group.com



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#### HIMMELWERK

Himmelwerk Induction Heating Solutions Jopestr. 10, 72072 Tübingen www.himmelwerk.com



HÜBERS Verfahrenstechnik Maschinenbau GmbH Schlavenhorst 39, 46395 Bocholt www.huebers.de



KAMO High Performance Center Campus-Ost Rintheimer Querallee 2, 76131 Karlsruhe https://www.kamo.one/



#### Kisling AG

Motorenstrasse 102, 8620 WETZIKON, SWITZERLAND www.kisling.com



Linz Center of Mechatronics Altenberger Straße 69, 4040 Linz – Austria www.lcm.at ELANTAS is part of the ALTANA group and is a leading manufacturer of insulating and protecting materials for the electrical and electronics industry. Our portfolio includes wire enamels, insulation tapes, composites, impregnating resins and varnishes, flexible electrical insulation materials, casting & potting resins for high- and low-voltage motors, generators and transformers, as well as conformal coatings for protecting PCBs, modules or sensors. In addition, we offer a wide range of adhesives, as well as materials for printed electronics.

Contact: Mario Kuschnerus, Account Management Automotive - eMobility, Phone: +49 151 624 317 37, eMail: mario.kuschnerus@altana.com

The "E|DriveCenter" (Bavarian Technology Center for Electrical Drives) of the Institute for Factory Automation and Production Systems (FAPS) of the Friedrich-Alexander-UniversityErlangen-Nuremberg (FAU), innovates drive concepts and the related production technologies. These developments are aimed to be transfered from scientific findings to industrial applications. The key activities of the E|Drive Center are the analysis and optimization of the production-oriented construction and the production process design of components and systems for electrical drives. Furthermore, the manufacturing and testing processes are addressed for the components of inductive charge electric vehicles.

The center supports the automotive industry in the increasing usage of electric drive systems for the vehicles, and it improves the knowledge transfer in the field of electric drive technology in Bavarian industries.

**Contact:** Dr. Alexander Kühl, Director of the Research Sector Electromechanical Engineering, eMail: alexander.kuehl@faps.fau.de

Gehring, a global leader in precision machining, develops pioneering technologies for efficient powertrains in e-mobility. Our expertise in laser roughening and honing offers innovative solutions for both combustion engines and electric motors. We are expanding our portfolio to include cutting-edge production technologies for hairpin stator manufacturing, driving the future of e-mobility. As a solution-oriented partner, we offer flexible, customer-specific approaches for series production. Our global presence ensures we meet the needs of key industries, delivering tailor-made solutions that optimize production processes and enhance competitiveness.

Contact: David Gossen, eMail: david.gossen@gehring-group.com

We are a group of companies specializing in turnkey projects. From the feasibility of the induction application in your process to the design and manufacture of the systems you need. We take care of your needs anytime, anywhere in the world. Regardless of your industry or size, we will work with you to develop the most cost-effective induction heating solution for your needs by leveraging our technology, service and expertise.

Contact: Thorben Jungblut, Sales Manager, Phone: +49(0) 6272 / 92 16 47 / +49 (0) 1726294363, eMail: Thorben.Jungblut@gh-induction.de

HIMMELWERK was founded in 1879 by Mr. Gottlob Himmel in Tübingen, Germany. The production of high-frequency generators for inductive and capacitive heating commenced in 1950. Since more than 70 years, our HF- and MF induction heating equipment is serving customers all over the world. Key industries are automotive, electro-mobility, aerospace, medical instruments, optical industry, forging, machine building, automation, bonding, soldering, melting and shrink-fitting. We have solutions from 2 kHz to 2 MHz and from 2 kW to 250 kW module power for our highly diversified customers.

Contact: Andreas Seitzer, Managing Director, Phone: +49 172 7242292, eMail: a.seitzer@himmelwerk.com

HÜBERS is one of the world's leading suppliers of systems and machinery for potting and impregnation of electrical components such as electrical drives' stators and rotors. HÜBERS is the customers' active project partner from process development to the start of operation and beyond. Having been providing system solutions for more than 80 years now, HÜBERS can justifiably claim to be one of the principal pioneers in resin casting and impregnation technology. As a result, HÜBERS have approximately 100 patents, utility models, and publications on their record.

Contact: Christof Pollmann, Sales Management, Phone: +49 2871 281-1201, eMail: c.pollmann@huebers.de

The Fraunhofer ICT has its competencies in chemical processes, plastics technology, energy and drives and explosive material technology. The Institute of Electrical Engineering (ETI) of the Karlsruhe Institute of Technology (KIT) researches in the field of electric drives (motors, power electronics, control methods) from pedelecs to passenger cars and commercial vehicles. With KAMO: Karlsruhe Mobility HPC, we offer support for the development of electric axles, from electromagnetic, thermal, and structural design through prototypical implementation to the measurement of all operational properties. We work on motor concepts, cooling processes and series production in plastic injection molding.

Contact: Dr.-Ing. Miriam Ruf, Head of KAMO Central Office, Phone: +49 721 4640 117, eMail: Miriam.ruf@ict.fraunhofer.de

Kisling was founded in 1862 and today we are one of the world's leading manufacturers of high-quality adhesives and sealants for almost all industrial sectors, OEM manufacturers and specialist trade. Our product range includes high-strength structural adhesives based on (Meth)Acrylate and Epoxy, Anaerobic Adhesives, Instant Adhesives, RTV silicones as well as encapsulants for a wide variety of applications. At Kisling, the customer always comes first because application-specific adhesive and sealant solutions are constantly being developed.

Contact: Dominik Bojko, Business Development Manager, Phone: +49 175 268 06 57, eMail: dbojko@kisling.com

The Linz Center of Mechatronics (LCM) is a hub for the R&D activities around electric drives in central Europe. With teams working on the design, simulation & optimization, control, involved electronics, and prototyping and testing, LCM supports its partners and customers along the eDrive value chain.

We focus on technology: LCM provides drive designs for high-performance, high speeds, high torques, lowest costs, challenging environments, etc., according to the partner needs. In our >20 years of experience, numerous designs from as small as inplantable hearing aids to as big as ship motors have ensured the market success for our customers.

Contact: Hubert Mitterhofer, Area Manager Electric Drives, Phone: +43 6648481274, eMail: hubert.mitterhofer@lcm.at

## TABLE TOP EXHIBITIONTuesday, 26 November and Wednesday, 27 November 2024



MAGCAM advanced magnet inspection

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## GNEVEM

NEVEM Intelligent Technology (Shanghai) Co., Ltd. Address: No.601, Jiamei Road, Jiading District, Shanghai https://en.nevemotor.com/



PPM Precision Pression Manufacturers No. W-10 & 11, Block F2, MIDC Pimpri, Pune – 411018, India www.ppm.co.in/



Stiefelmayer – Lasertechnik GmbH & Co.KG Rechbergstraße 42, 73770 Denkendorf www.stiefelmayer-lasertechnik.de



TEPROSA GmbH Paul-Ecke-Str. 6, 39114 Magdeburg www.teprosa.de



WAFIOS AG Silberburgstraße 5, 72764 Reutlingen www.wafios.com Advanced Magnetic Field Measurement.

Magcam offers industry-leading technology for measuring magnetic fields of permanent magnets, magnetic assemblies, and permanent magnet rotors.

At the heart of Magcam, there is Magcam's magnetic field camera, MiniCube 3D. It offers advanced measurement and visualization of full three-dimensional magnetic field distributions with high spatial resolution in less than one second. With the help of MagScope, Magcam's advanced data analysis software for measuring and analyzing magnetic field distributions, we can help Measure, Analyze and Optimize your permanent magnets.

Contact: Stephan Kliché, Phone: +32 473 70 29 36, eMail: Stephan.kliche@magcam.com

The MARPOSS Group is a global technology company and partner for quality control in the production environment. It develops and manufactures a wide range of products and solutions for quality and process control of all electric powertrain components: e-motors, batteries and fuel cells. All measurement and test results can be digitally processed and archived. Holistic software solutions allow results to be analysed, visualized and tracked in a simple and easy-to-understand way. MARPOSS is a primary supplier of the major automotive manufacturers, for both ICE and EV applications. It also operates in the energy, aerospace, biomedical, appliance and glass industry.

Contact: Clemens Ketzer, Technical Sales Electrical Testing, Phone: +49 7151 2054278, Email clemens.ketzer@de.marposs.com

MARSILLI is a worldwide leader in Winding & Assembly Systems for coils and motors where precision, flexibility and customization are mandatory. MARSILLI has reached a worldwide consolidated position as a Solution Provider for Factory Automation covering various different industries. In the recent years, MARSILLI has committed to playing a significant role in the shift toward electrification thanks to its innovative winding solutions that surpass the traditional and more common technologies both for stator and rotor winding.

Contact: Dieter Kiefer, Managing Director Marsilli Deutschland GmbH, Phone: +49 721 6105 3500, eMail: info.de@marsilli.com

NEVEM Intelligent Technology (Shanghai) Co., Ltd. was founded in 2018, focusing on integrated solutions for R&D and intelligent mass production of new energy vehicle drive motors. Our business scope covers prototype trial production, customization of single station/prototype lines/mass production lines, technological innovation, process development, as well as industrial cooperation etc.. With advantages in professional expertise, short lead time, premium quality, and competitive cost, we're committed to providing industry-leading products and services to OEMs and motor drive system suppliers in and abroad.

We're headquartered in Shanghai, China, with a manufacturing center and an intelligent equipment center over 20,000m<sup>2</sup>. Besides domestic branches in Dalian, Hefei and Henan, we've also set up overseas subsidiaries in Germany, the United States and Japan, to build the market in Europe and Asia Pacific region. We'll establish a global product and service system, to help customers achieve high-quality development.

We'll continue to explore in the field of flat wire drive motor production for new energy vehicles, to innovate and further improve our technical and manufacturing capabilities. With the spirit of being pioneer, we bring the world cutting-edge technologies from China.

Contact: Xianfeng Wang, CTO, Phone: +86 18616356630, eMail: xianfeng.wang@nevemotor.com

Precision Pressing Manufacturers (PPM) is a leading provider of industrial solutions with 46 years of expertise in advanced engineering technologies. We specialize in producing high-quality stator cores for electric motors and generators, using axial flux and slinky stator technologies to enhance efficiency and performance. Our skilled engineers create compact, efficient, and lightweight axial flux stator cores, while our slinky stator technology for radial flux machines boosts output and reduces waste, supporting sustainable energy. We drive innovation in motor technology by collaborating with manufacturers on R&D and prototyping projects, delivering high-performance engineering solutions.

Contact: Shrivatsa Sinha, Managing Partner, Phone: +91 9890323230, eMail: s.sinha@ppm.co.in

Continual improvements lead us to high expertise in laser cutting machines for the E-Mobility Business. Stiefelmayer stands for german high class workmanship since 1874. In our effective s + I machine types the latest laser technology, light carbon construction and dynamic motor drives merge into a laser machine with previously unimagined capabilities. We also offer contract manufacturing that meets the highest demand. Laser cut stator and rotor laminates for proto-types, mini-series or starting new series. single sheets or stacks in various stacking technologies.

**Contact:** Dieter Bulling, Managing Director, Phone: +49 711 934 403 20, Mobile: +49 160 905 335 89, eMail: d.bulling@stiefelmayer.de

Teprosa GmbH specializes in precision laser cutting and the production of stators and rotors from electrical steel for the emobility sector. Additionally, we are a leading manufacturer of 3D-MID (three-dimensional molded interconnect devices), offering cutting-edge solutions in high-precision component manufacturing. Our expertise ranges from micro-laser processing to the development of innovative production processes for complex assemblies.

Contact: Markus Barth, Managing Director, Phone: +49 391 83817791, eMail: markus.barth@teprosa.de

WAFIOS Electrifies – Trendsetting concepts for the production of current-carrying power train components for the e-mobility industry. The focus is on the development of machines for forming insulated copper wire and copper profiles as well as on advanced automation solutions.

WAFIOS specializes in the production of hairpins and busbars using flexible bending techniques. Thus ongoing production costs, e.g. for tools, can be kept at a low level, different geometries can be produced flexibly and a quick response to varying material properties is possible. Our experts assist you from prototyping to SOP and beyond

Contact: Martin Bauer, Marketing Event, Phone: +49 7121 146 268, eMail: ma.bauer@wafios.de

#### REGISTRATION

Please register online at www.edpc.eu. After we have received your registration, we will send you a confirmation and an invoice, which we would ask you to settle before the event begins. In the event of cancellations received after **11 November 2024**, or non-appearance, the full participation fee will be billed. However, a replacement participant can be designated. For cancellations before this date, a € **150** administration fee will be charged. Cancellations and registrations must be made in writing. The event organizer reserves the right to change the location and/or time of the whole event or individual parts of it or to alter or cancel it at short notice. Participants also have the possibility to take part online. After your registration you will receive a link to the event with our confirmation of participation. Register now for the EDPC 2024 on www.edpc.eu.

### CONFERENCE FEE

On-siteOnlineStandard Fee $1.245,00 \in$  $1.045,00 \in$ Reduced Fee\* $845,00 \in$  $845,00 \in$ One Day Fee $895,00 \in$  $745,00 \in$ 

All prices are subject to VAT according to European regulations. 0% VAT from abroad

\* Reduced fee for international program committee members, speakers (including one paper), participating co-authors and university members and fee to be paid per additional paper.

#### VENUE

E|DPC 2024 will take place at marinaforum Regensburg (Johanna-Dachs-Str. 46, 93055 Regensburg) on 26 and 27 November 2024.

### ACCOMMODATION

For your accomodation we recommend the following hotels:

Hampton by Hilton Johanna-Dachs-Straße 10 93055 Regensburg Phone: +49 (0)941 307880-0

Preferential Rate: Single room 109,00 € incl. breakfast and VAT. Alter Schlachthof Am Alten Schlachthof 9 93055 Regensburg Phone: +49 (0)941 463777-0

Preferential Rate: (available until October 14): Double room 105,00 € incl. breakfast and VAT. Hotel DOCK 1 Alte Straubinger Straße 7 93055 Regensburg Phone: +49 (0)941 6009090

Preferential Rate: (available until October 14): Single room 95,00 € incl. breakfast and VAT Hotel Luis Landshuter Straße 24 93047 Regensburg Phone: +49 (0) 941 5674938

Preferential Rate: Single room 109,00 € incl. VAT, excl. breakfast.

#### EVENING RECEPTION

All participants of E|DPC 2024 are invited to the E|DPC 2024 Evening Reception on 26 November 2024, 7:00 PM.

Detailed technical discussions are guaranteed and accompanied by a regional menu. The event will take place at Restaurant Leerer Beutel, Bertoldstraße 9, 93047 Regensburg.

### TABLE TOP EXHIBITION



E|DPC 2024 will be completed by a focussed Table Top Exhibition. Companies, research institutes and other organizations will be offered the opportunity to present their products and services to all participants. For any further questions regarding the E|DPC 2024 Table Top Exhibition please contact Sebastian Stürzl, Phone: +49 8191 125-273, E-Mail: sebastian.stuerzl@sv-veranstaltungen.de

## SUPPORTERS

Are you interested in supporting E|DPC 2024 and presenting your company or organization as a supporter? E|DPC 2024 is the ideal platform for the individual advertising of your innovative products and services. For further information, please contact Sebastian Stürzl, Phone: +49 8191 125-273, E-Mail: sebastian.stuerzl@sv-veranstaltungen.de

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