

14th International Conference



Electric Drives Production
Conference

November 26-27, 2024
marinaforum Regensburg
and online

Program and Exhibition Brochure

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ABOUT E|DPC

Increasing power consumption, CO₂ and NO_x 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

Opening time conference:

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 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® and indexed by Scopus and Google Scholar.

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CONTACT

CONFERENCE COORDINATOR



Franziska Blume

E-Mail: franziska.blume@sv-veranstaltungen.de

ORGANISATION AND REGISTRATION



Katharina Mehlich

Phone: +49 8191 125-318

E-Mail: katharina.mehlich@sv-veranstaltungen.de

EXHIBITION AND SPONSORING



Sebastian Stürzl

Phone: +49 8191 125-273

E-Mail: sebastian.stuerzl@sv-veranstaltungen.de

SCIENTIFIC GUIDANCE



Simon Stauber, M. Sc.

Phone: +49 172 1745239

E-Mail: simon.stauber@faps.fau.de

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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!

A handwritten signature in blue ink that reads "Jörg Franke". The signature is fluid and cursive, with a large initial "J".

Prof. Dr.-Ing. Jörg Franke

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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		
9:05 AM	Opening Keynote: tbd		
9:40 AM	Opening Keynote: Dr. Selema, Ahmed, USP3D NV (BE)		
10:15 AM	Coffee Break		
	Track 1	Track 2	Track 3
10:45 AM	Winding Technologies	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		
7:30 PM	Evening Reception		

WEDNESDAY, 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, MAN 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-Nuremberg (DE)		
9:05 AM	Opening Keynote: to be clarified		
9:40 AM	Opening Keynote: 3D Printed Aluminum Windings for High-Speed E-Motors and Weight-Sensitive Applications Dr. Selema, Ahmed, USP3D NV (BE)		
10:15 AM	Coffee Break		
	Session 1: großes Forum Winding Technologies	Session 2: Forum 7, 8, 9 Contacting Technologies	Session 3: Forum 2, 3, 4 Trends in Electric Machine Design
10:45 AM	Winding Solutions for a Fast-Moving Market Vanzetti, Gianpiero, Marsilli Deutschland GmbH (DE),	Repair of Defective Contact Points in Hairpin Stator Production Using Laser Welding Hartmann, Sebastian, PEM of RWTH Aachen University (DE)	Deterministic and Stochastic Methods in Discrete Topology Optimization of a Permanent Magnet Synchronous Machine with Surface Mounted Magnets Prof. Hahn, Ingo, University of Erlangen-Nuremberg (FAU) (DE)
11:15 AM	In final approval	Application of Laser Paint Stripping System in Flat Wire Stator Manufacturing Wang, Xianfeng, Nevem Intelligent Technology (Shanghai) Co. Ltd. (CN)	Comparison of Analytical and Finite Element Based Parameter Identification Methods for Electrical Machines Kalla, Matthias, Fraunhofer IEE (DE)
11:45 AM	In final approval	Maximizing the Output of Hairpin Stator Laser Welding by Applied Artificial Intelligence Beranek, Matthias, TRUMPF SE & Co.KG (DE)	Investigations into unconventional Air Gap Contours in Electrical Machines and their Effects on Radial and Tangential Forces Voigtmann, Marco, TU Chemnitz (DE)
12:15 PM	Lunch Break		
	Session 4: großes Forum Insulation Materials and Technologies I	Session 5: Forum 7, 8, 9 Analysis and Measurement Technologies	Session 6: Forum 2,3,4 Data-Driven Approaches in Electric Drives Production
1:45 PM	Effects of Wire Bending onto Insulation Morphology Philipp, Jan, KERN-LIEBERS Group (DE)	Looking inside Magnets Using Magnetic Field Cameras and Advanced Data Analysis Dr. Vervaeke, Koen, Magcam NV (BE)	Image-based Wire Position Detection for a Flexible Twisting Process of Hairpin Stators Schröder, David, Karlsruhe Institute of Technology (KIT) (DE)
2:15 PM	Partial Discharge Minimization for High-Performance Traction Drives Using PFA Magnet Wire Dr. Jung, Jakob, Additive Drives GmbH (DE)	Optimizing Electric Machine Performance through Elasto-Plastic Rotor Stress Analysis Dr. Passenbrunner, Josef, Linz Center of Mechatronics GmbH (AT)	Distance-based Explainable Anomaly Detection for Electrical Machines through Vibration Signals Lehmann, Michel, TU Ilmenau (DE)
2:45 PM	Wire Enamels - Polyimide vs. PEEK and PAI Brodbeck, Markus, ELANTAS Europe GmbH (DE)	Design and Validation of an Inline Curvature Measurement for Flat Wire Straightening in Hairpin Stator Production Preitschaft Anja, University of Erlangen-Nuremberg (FAU) (DE)	Vision-based Pose Estimation of Super-imposed Enameled Wire Ends for Robotic Handling of Powerdense Flat Wire Stators Henrich, Valentin, University of Erlangen-Nuremberg (FAU) (DE)

TIME SCHEDULE

Tuesday, 26 November 2024

3:15 PM	Coffee Break		
	Session 7: großes Forum Insulation Materials and Technologies II	Session 8: Forum 7, 8, 9 Resources and Sustainability	Session 9: Forum 2, 3, 4 Trends in Production Processes for Electric Drives I
3:45 PM	In final approval Köhler, Uwe, LambdaResins GmbH (DE)	Qualitative Study on the Use of Life Cycle Assessments in Electric Drive Production Nankemann, Michael, PEM RWTH Aachen (DE)	Induction Heating Technology for E-Mobility Applications Dr. Seitzer, Andreas, Himmelwerk Hoch- und Mittelfrequenzanlagen GmbH (DE)
4:15 PM	Regulatory Affairs in Insulation Materials Brodbeck, Markus, Kuschnerus, Mario, ELANTAS Europe GmbH (DE)	Automated Detection of Disassembly States in Electric Motors Using Point-Cloud Comparison Hansjosten, Malte, Karlsruhe Institute of Technology (KIT) (DE)	Manufacture of Hollow Coils for a Current-Dense Aerospace Generator Dr. Winter, Alexei, University of Sheffield AMRC (GB)
4:45 PM	Revolutionizing Trickle Impregnation: bdtronic's Sustainable Industry 4.0 Innovations Motta, Carlo, bdtronic GmbH (DE)	Experimental Parameter Analysis for the Disassembly of Magnets from Electric Traction Motors Heim, Markus, KIT Karlsruhe Institute of Technology (DE)	Application led Qualification of Hairpin Insulation Strength Ketzer, Clemens, MARPOSS GmbH
5:15 PM	End of Conference Day One		
7:30 PM	Evening Reception at Leerer Beutel		

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

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TIME SCHEDULE

Wednesday, 27 November 2024

9:00 AM	Welcome Coffee		
	Session 10: großes Forum Hairpin Stators I	Session 11: Forum 7, 8, 9 Soft Magnetic Materials I	Session 12: Forum 2, 3, 4 Thinking Outside the Box
9:15 AM	How to Mass Produce a Hairpin Stator Jung, Johannes, GROB-WERKE GmbH & Co. KG (DE)	Concepts for Fabrication of Soft Magnet Stator Components in Axial Flux Machines Dr. Weise, Bruno, Fraunhofer IFAM (DE)	A Model-Free Direct Control Solution for Multiphase Electric Drives based on Gradients of Electric Variables 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 Stemmler, Christian, Fraunhofer Institute for Chemical Technology ICT (DE)	Precision Stator Solutions for Flat Wire Windings in Axial Flux Machines Sinha, Shrivatsa, Precision Pressing Manufacturers (IN)	Collaborative Electromechanical Engineering: A Concept to Overcome Domain- and IT-System Borders Prof. Urban, Nikolaus, Deggendorf Institute of Technology (DE)
10:15 AM	Coffee Break		
	Session 13: großes Forum Hairpin Stators II	Session 14: Forum 7, 8, 9 Soft Magnetic Materials II	Session 15: Forum 2, 3, 4 Energy Transfer for Electric Vehicles
10:45 AM	Alternative Solutions for Hairpin-Stator Windings in Terms of an Increase of the Cost-Benefit Ratio Hackmann, Wilhelm, Vitesco Technologies GmbH (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)	Challenges and Vision for the Market Introduction of Wireless Power Transfer Charging Products on Vehicle and Infrastructure Side Würz, Thomas, Siemens AG (DE)
11:15 AM	Comparison of Rotary Draw Bending and Pipe Bending Processes in the Context of Hairpin Technology Gerner, Johannes, Karlsruhe Institute of Technology (KIT) (DE)	Investigating the Role of Non-Oriented Electrical Steels Magnetic Polarisation and Mechanical Strength in Boosting Traction Electric Motor Performance Dr. Abouelyazied, Ahmed, ArcelorMittal Global R&D Gent (BE)	Comparison of FEM and PINN-Based Prediction of the Power Transmission of ERS with Small Data Sets 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 Fraider, Felix, Karlsruhe Institute of Technology (DE)	Improvement of the Design and Manufacturing Processes for Electric Motors Based on Magnetic Measurements Dr. Mierczak, Lukas, Dr. Brockhaus Messtechnik GmbH & Co. KG	Comparative Analysis of Bonding Materials for Interface Adhesion between Wireless Power Transfer Segments and Asphalt Road Materials Ehrlicher, Patrick, University of Erlangen-Nuremberg (FAU) (DE)
12:15 PM	Lunch Break		
	Session 16: großes Forum Litz Wires	Session 17: Forum 7, 8, 9 Soft Magnetic Materials III	Session 18: Forum 2, 3, 4 Trends in Production Processes for Electric Drives II
1:45 PM	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)	Efficiency Increase of Electric Motors by Using Adhesive Bonded Laminated Cores Hardelt, Stefan, Kisling AG (CH)	Implementation of an Information Model for the Electric Motor Production using the Asset Administration Shell Klein, Nikolaus, Karlsruhe Institute of Technology (KIT) (DE)
2:15 PM	Investigation of Adhesion Properties between Secondary Impregnating Resins and Taped Profiled High Frequency Litz Wires Drexler, David, PEM RWTH Aachen University; Dr. Sell-Le Blanc, Florian, Schaeffler Automotive Buehl GmbH (DE)	Joining of Laminated Core and Shaft of an Electric Machine Rotor by Electromagnetic Forming Prof. Dix, Martin, Fraunhofer Institute for Machine Tools and Forming Technology IWU (DE)	Improving Motor Performance with The Latest Innovations in Conductor Forming and Conductive Materials Bauer, Martin, WAFIOS AG (DE)

TIME SCHEDULE

Wednesday, 27 November 2024

2:45 PM	<p>Thermal Conductivity Analysis of Electrical Insulation Systems in Hairpin Technology with Taped Profiled Litz Wire and Flat Enamelled Wire</p> <p>Platte, Volkmar, ELEKTRISOLA Dr. Gerd Schildbach GmbH & CO. KG (DE)</p>	<p>Investigation of Layer Thickness Distribution and Surface Defects on Screen-printed Magnetic Sheets</p> <p>Schmidt, Alexander, University of Erlangen-Nuremberg (FAU) (DE)</p>	<p>The Busbar Revolution – Injection Moulded Copper for the Next E-Drive Generation</p> <p>Dr. Jung, Jakob, Additive Drives GmbH (DE)</p>
3:15 PM	<p>Coffee Break</p>		
	<p>Closing Session</p>		
3:45 PM	<p>Closing Keynote: Electrifying the Truck - Challenges and Solutions Dr. Meyer, Martin, Head of Production Unit Truck, MAN Truck & Bus SE (DE)</p>		
4:15 PM	<p>Best Paper Award and Closing Words: Prof. Franke, Jörg, University of Erlangen-Nuremberg (DE)</p>		
4:30 PM	<p>End of Conference</p>		

TABLE TOP EXHIBITION

Tuesday, 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 value-chain 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/Masurement/Diagnostic Systems
- Electric Drives Manufacturing Services



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Contact: Götz Biege, Head of Sales, Phone: +49 160 8210750, eMail: goetz.biege@ceia-induktion.de



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



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Fürther Str. 246b, 90429 Nürnberg
www.faps.fau.de

The "E|DriveCenter" (Bavarian Technology Center for Electrical Drives) of the Institute for Factory Automation and Production Systems (FAPS) of the Friedrich-Alexander-University Erlangen-Nuremberg (FAU), innovates drive concepts and the related production technologies. These developments are aimed to be transferred 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



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Gehringstraße 28, 73760 Ostfildern
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Contact: David Gossen, eMail: david.gossen@gehring-group.com



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



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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



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

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

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



Linz Center of Mechatronics
Altenberger Straße 69, 4040 Linz – Austria
www.lcm.at

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 implantable 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 EXHIBITION

Tuesday, 26 November and Wednesday, 27 November 2024



MAGCAM
advanced
magnet
inspection

Magcam NV
Romeinse Straat 18, 3001 Leuven – Belgium
www.magcam.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

MARPOSS

Marposs GmbH
Mercedesstr. 10, 71384 Weinstadt
www.marposs.com/ger/

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 Ketzler, Technical Sales Electrical Testing, Phone: +49 7151 2054278, Email clemens.ketzler@de.marposs.com

MARSILLI

Marsilli S.p.A.
Via per Ripalta Arpina 14
26012 Castelleone – Italy
www.marsilli.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

NEVEM Intelligent Technology (Shanghai) Co., Ltd. Address: No.601, Jiamei Road, Jiading District, Shanghai
<https://en.nevemotor.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 20,000m². 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



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

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

STIEFELMAYER

lasertechnik

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

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

Teprosa GmbH specializes in precision laser cutting and the production of stators and rotors from electrical steel for the e-mobility 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

WAFIOS AG
Silberburgstraße 5, 72764 Reutlingen
www.wafios.com

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-site	Online	
Standard Fee	1.245,00 €	1.045,00 €	* 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.
Reduced Fee*	845,00 €	845,00 €	
One Day Fee	895,00 €	745,00 €	

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

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, 7:30 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

PLEASE REGISTER ONLINE FOR THIS CONFERENCE: WWW.EDPC.EU

