

# IESSS

International Electrical Steel Sheet Summit

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# INTERNATIONAL ELECTRIC STEEL SHEET SUMMIT

April 24 – 25, 2024 Aachen, Germany



**CALL FOR PAPERS**

# STEEL SHEETS IN FOCUS

Electromobility is an essential factor in supporting the reduction of CO<sub>2</sub>-emissions and stopping the ongoing increase of global temperatures. Therefore, new layouts and designs of e-motors are essential and highly powerful electric motors must be developed.

Electrical steel sheets are the central preliminary product.

Further processes are the punching, joining, and producing of electric motors and their adaption in vehicles. All processes must be accompanied by the testing of electric properties and by scientific research. IESSS will bring all partners of this specific value chain together, to exchange their research, experiences, and to improve the power of electric vehicles. This, and further standardization are elementary conditions to increase customer acceptance of this technology.



# MAIN TOPICS

## Steel Grades

Compositions, microstructure, properties, homogeneity, dimensions, surface qualities, environmentally friendly isolations, production.

## Layout and Design

of e-motors. High power/torque density, powertrain integration aspects, cooling methodology.

## Processing Technologies

Cutting technology such as stamping, laser cutting, precision pieces, surface and edge qualities as well as joining technologies such as stack production, welding, interlocking, bonding and black lack.

## Modelling, Simulation and Testing

Materials, properties, components, joints, processes, innovative testing methods, characteristic values, considering drive cycle for e-mobility, quality assessment and part integrity.

## Standardization

Procedures, characteristic values, sustainability and C-footprint.

## Important Dates

January 12, 2024	Abstract submission deadline
Mid-January 2024	Program Committee Members evaluate submitted abstracts
Mid-January 2024	Authors to be informed of paper acceptances. Author guidelines to be distributed
April 5, 2024	Deadline for complete Power Point slides (Full papers not required)
April 24 – 25, 2024	IESSS 2024 – International Electric Steel Sheet Summit

## Program Committee

Our respected program committee representing the whole value chain of electric steel sheet production, processing, testing, application and science will ensure the highest quality standard for the program. To discover who our Program Committee Experts are please visit: [www.IESSS.org](http://www.IESSS.org).

## Abstract Submission

To submit an abstract, please proceed as follows:

- 1) The abstract should be a maximum of 200 words.
- 2) **Submit your abstract online at:**  
[www.IESSS.org](http://www.IESSS.org). > Call for Papers

## Summarized preliminary timetable

Wednesday	Welcome / Plenary session   Opening / Evening dinner event
Thursday	Technical sessions   Closing session

### Sponsoring / Exhibiting at IESSS 2024 is easy:

Please see our website, we have several packages for sponsors and exhibitors, or simply contact us for individual arrangements. We will be pleased to discuss your sponsoring / exhibiting requirements at IESSS 2024. Check our website at [www.IESSS.org](http://www.IESSS.org) for package details.

### Host & Organizer

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