

## FEES

EUR 150,00 for non-ÖGUS participants  
EUR 95,00 for ÖGUS members  
EUR 200,00 for exhibitors (Table/Poster)

The fees include the conference documents, lunch, and coffee break.  
(excl. 20 % VAT)

## CONTACT

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1030 Vienna  
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## VENUE

AIT Austrian Institute of Technology GmbH  
TechBase, Giefinggasse 2, 3<sup>rd</sup> Floor, Room GG2\_F3\_M1A+B  
1210 Vienna  
Austria

# SYMPOSIUM

## Environmental Simulation Testing of Batteries

11 September 2025 | 10:00 - 16:00 | Vienna



## TOPIC

The electrification of transport and the shift to renewable energy sources triggered by the need to mitigate climate change and provide sustainable energy has substantially increased the demand for high-performance electric batteries. Research and development into battery materials and technologies continue to yield new and improved types of batteries.

These key elements of electric vehicles and resilient power grids need to perform reliably and safely under a large number of conditions and external influences like temperature changes, vibration and shock, accelerations, and electrical events during charging and discharging. Therefore testing of batteries contributes to enhancing performance and durability at all stages of development. Battery tests are designed to recreate real-life conditions and provide valuable results for further development and improvement while also verifying compliance with safety and performance requirements.

This symposium will present the opportunities and challenges of battery testing and provide insights into the technology and procedures needed to achieve reproducible and valid results. The presentations by recognized experts from industry and academia combine theoretical knowledge with practical experience in this field.

The symposium will conclude with a guided tour of selected AIT lab facilities.

Conference language: English

## AGENDA

- 10:00 Opening of the symposium, presentation of the agenda  
Michael Jirout | Paul Grillberger | Manfred Haider | ÖGUS
- 10:30 Vibration and shock testing of automotive batteries – From the beginning to new approaches  
Martin Engelke | IMV
- 11:00 Requirements and challenges in battery testing  
Sebastian Schuhmann | Fraunhofer ICT
- 11:30 Lunch break**
- 12:30 Overview of standards for shock and vibration testing of batteries  
Manfred Haider | AIT
- 13:00 Vibration testing of heavy specimens  
The „Big Vibration“ - Big Shaker - Big Weight - Big Table ... and how to operate with it  
Holger Boller | VibrationResearch
- 13:30 Battery testing at the Knorr-Bremse test facility  
Michael Jirout | Knorr-Bremse
- 14:00 Coffee break**
- 14:30 Battery Research and Testing  
Marcus Jahn | AIT
- 15:00 Guided tour of selected AIT lab facilities
- 16:00 Closure