



PROGRAM

SIA NEMMO 2026

International Congress & Exhibition

RENNES
COUVENT DES JACOBINS

5TH
EDITION

NeMmo 2026

New Materials for future Mobility

Join us and share your expert insights on new materials for mobility

For its **5th edition**, the **NeMMo – New Materials for Future Mobility** congress returns on **1–2 July 2026** at the **Couvent des Jacobins** in Rennes, an emblematic venue that has hosted this now essential event for the mobility and materials community for several years. Co-organised by **SIA** and **SFIP**, NeMMo 2026 stands as a major gathering combining a **scientific congress**, **industry exchanges**, and a **technology exhibition**.

This edition will bring together a uniquely diverse audience: **OEMs, tier suppliers, materials producers, processors, equipment and tooling manufacturers, software and AI developers, recyclers, academic researchers**, and experts from all fields of mobility. This cross-sector approach makes NeMMo a privileged place for sharing insights, needs, innovations, and forward-looking perspectives.

The scientific programme will span the full spectrum of **new materials** – metals, polymers, and minerals – and **new processing and assembly technologies**, while highlighting **emerging applications** that support a more **sustainable, electrified, autonomous, and connected** mobility.

Beyond technical advancements, NeMMo 2026 will also tackle essential systemic challenges: **circular economy, artificial intelligence, regulation, environmental impact**, and manufacturing models aligned with societal and industrial expectations.

With its themed technical sessions, keynotes from leading experts, exhibition, and dedicated networking opportunities, NeMMo 2026 offers a unique platform to collectively shape the future of mobility.



LANGUAGE OF THE CONGRESS

Slides and conference's language will be in English.

With the support of:



And the French Car Industry:



**Looking forward to seeing you at the
NeMMo Congress 2026 in Rennes!**

5TH EDITION

Scientific Committee

Mathilde BERNARD DE LAVERNETTE,
VALEO

Gildas BUREAU,
STELLANTIS

Yvan CHASTEL,
Renault Group

Amaury CORNILLEAU,
GPA

Jean-Yves DACLIN,
PLASTICS EUROPE

Laurence DUFRANCATEL,
MATRI'ACT-FORVIA

Vincent DESCOMBES,
CELANESE

Laurent GERVAT,
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Patricia KRAWCZAK,
IMT NORD EUROPE –
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Gérard LIRAUT,
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Olivier MORIAU,
ARCELORMITTAL

Thierry ORSAT,
MICHELIN

Pierre PRONOST,
OPMobility

Olivier REBUFFET,
CONSTELLIUM



Speakers

Pauline DESPORTES (SFIP)
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Exhibition & sponsoring

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Program 01 july 2026

08:30 **WELCOME COFFEE**

09:00 **WELCOME INTRODUCTION**

PLENARY SESSION

09:10 **KEYNOTE • Materials of the future for sustainable mobility**
Anne-Valérie FOILLARD RUZETTE – CNRS

09:40 **KEYNOTE • AUTOMOTIVE LAB: Programme overview and presentation of the first group of selected start ups**
Laurent FABRE - PFA AUTOMOTIVE LAB

10:10 **Presentation of exhibiting companies “2 minutes/ 2 slides”**

10:40 **COFFEE BREAK**

POLYMER SESSION SESSION METHODOLOGY

METAL SESSION ADDITIVE MANUFACTURING

11:25 **“Instrument driven methodology” to mitigate potential bias in “human sensory” based assessment (VDA270) in automotive applications and beyond**
Indira POLASA, Maria SOLIMAN, Jerome VACHON and Sander KNAUF - SABIC

Influence of the welding wire on the WAAM technology and on its functional associated properties
Marc COURTEAUX – STELLANTIS, Angela SANCHEZ – IRT M2P, Stéphane LOYER – STELLANTIS

11:50 **From rheology to failure: implementation of a numerical simulation chain, from material calibration to part-level correlation, on a short-fiber-reinforced thermoplastic**
Raphaël VOLLET-BINET, Alexandre HATT & Hugues Algave - SAFRAN

Integration of 3D Printing into hot stamped laser welded blanks technology for enhanced performance and design flexibility
Solène HOUDE, Sadok GAIED, Cristian ALVAREZ - ArcelorMittal

12:15 **STUDENT CHALLENGE: FINAL PITCH**

12:50 **LUNCH**

POLYMER SESSION SESSION HIGH PERFORMANCE MATERIALS 1/2

METAL SESSION SUSTAINABILITY

14:30 **GENESTAR™ PA9T for the future of mobility**
Amir BAHRAMI - KURARAY

Critical metal export restrictions: an overview of the actions implemented
Name to be confirmed - OFREMI

14:55 **A sustainable polyolefin-based Solution for EV battery thermal runaway insulation**
Alexander ERZIKOV - LYONDELLBASELL

POSCO's steel-plastic multi-material solutions for lightweight mobility applications
Kyunghwan CHUNG, Jongcheol PARK, Chang-Gyun JUNG
POSCO

15:20 **Specialty carbon blacks and carbon black concentrates for durable black PP compounds in automotive applications - A solution to the LTHS challenge (long-term heat stability)**
Virginie YQUEL – CABOT CORPORATION

Options to incorporate Twitch End-of-Life scraps into aluminium automotive body sheets
Peter JESSNER, Jocelyne LIST, Fanny MAS - CONSTELLIUM

15:45 **EV busbar insulation challenges: evolving requirements and standards demanding innovative advanced materials solutions**
Marc-Antoine MARCELLIN - ARKEMA

New Cell-to-Vehicle architecture: steel solutions for cost-effective integration into the BIW
Malick THIAM - ArcelorMittal

16:10 **COFFEE BREAK**

PLENARY SESSION

16:55 **Building a circular value chain for automotive glazing is both a technical challenge and an industrial opportunity**
Marion BERGER - SEKURIT MOBILITY

17:20 **KEYNOTE • Optimization of materials and their forming processes through the triptych of experimental measurements, understanding of physical mechanisms, and numerical modeling - Illustrations and perspectives**
Marc BERNACKI - MINES PARIS PSL

17:50 **KEYNOTE • Michelin's Vision Toward 100% Recyclable and Renewable Materials**
Margarita DORATO - MICHELIN

18:20 **STUDENT CHALLENGE AWARD**

18:30 **VISIT**

20:15 **COCKTAIL DINER**

Program 02 July 2026

08:15 **WELCOME COFFEE**

PLENARY SESSION

08:45 **Advanced glazing solutions for electric buses**

Daniele COSTANTINI - SAINT-GOBAIN Sekurit Transport, Xavier TARDIF, Pierre DUNAND - SAINT GOBAIN Recherche Compiègne

09:10 **KEYNOTE • Traceability of recycled materials: from self-declaration to technical evidence – what levers are available today?**

Christophe MARIÈS & Grégory CORDELETTE - ORCOSTRA

09:40 **KEYNOTE • Choosing the right solutions to make passenger rail cars manufacturing and refurbishment more efficient while also enhancing the experience, and extending the service life of the asset**

Henri GARCIA, 3M

10:10 **COFFE BREAK**

POLYMER SESSION HIGH PERFORMANCE MATERIALS 2/2

10:55 **Atmospheric pressure plasma surface treatment of composite and polymers as an environmental friendly inline solution for surface activation and adhesion improvement**

Dhia BENSALAM - PLASMATREAT

11:20 **Fortron® PPS films: new cost-saving solutions for traction motor insulation**

Vincent DESCOMBES - CELANESE

11:45 **Development of Rilsan® PA11 powders for Hydrogen Tank Liners Using a Roto- Molding Process**

Henri Alexandre CAYZAC, Jean-Jacques FLAT, Benoit BRULE - ARKEMA

12:10 **Metal-plastic bonding: innovative hybrid design approaches for lightweight and cost effective power electronics housings**

Christoph GANTHALER, Lukas MALFATTI - ROECHLING

12:35 **LUNCH**

POLYMER SESSION SUSTAINABILITY & CIRCULARITY

14:10 **Closing the Loop: creating new tailgates through advance PP-LGF recycling**

Sandeep KULKARNI - SABIC - Alessandro FORESTIERI – OWENS CORNING - Jutta SCHOBERRER - AUDI - Alejandra BUENO - OP Mobility

14:35 **Thermoplastic composites made from recycled materials and application to top cover of battery pack**

Thierry RENAULT - COMPOSITEC

15:00 **From waste to value - How the value chain determines technology**

Mark STANIFORD, Mariana SPECIA-MADE - BASF

15:25 **CONCLUSION**

15:30

END OF THE CONGRESS

METAL SESSION FORMING TECHNOLOGIES & JOINING 1/2

Understanding multi-material joining processes with Finite Element Simulation : proofs of concept

Romeu GOMES, Agnès MOGET, Raphaël DURAND, Baraa QADDAH – IRT M2P

Long-term aging, tearing, and corrosion performance of aluminum-steel hybrid assemblies manufactured by LISI μ-MACH-AP® for automotive applications

DAVID MERCS, Libin LALU KOITHARA – LISI GROUP

Self-pierce riveting for extended material thickness range

Sergej HARTWIG-BIGLAU - Christophe LEFALHUN - Böllhoff Group

Forging to disrupt automotive power electronics

Frank GATÉ - Renault Group

METAL SESSION FORMING TECHNOLOGIES & JOINING 2/2

Multi-material assembly technologies to expand the application fields of the Flowform®

Matthias BERJAMIN, Nadine SCHMETZER - Arnold Fastening

Joining multi-material structures with flow drill screws: principles and expanded applications

Mareike DOBERS & Aurélien PIZANI - WEBER ASSEMBLAGES AUTOMATIQUES

Friction stir welding optimization for automotive aluminium applications: temperature measurement and online quality control.

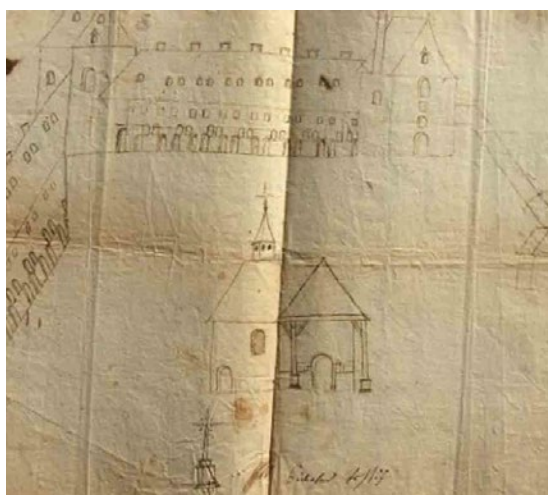
Laurent DUBOURG - STIRWELD

Join us for a special event and cocktail dinner!



Come and discover the transformation of the Jacobins convent

We have been organizing the NeMMo congress for several years at the Jacobins convent. This year, we invite you to discover the secrets of this iconic location, which has evolved with the times.



Enjoy the cocktail dinner in the convent cloister

This year we invite you to stay within the convent, in the cloister, to enjoy friendly discussions on the sidelines of the congress.



Exhibition & sponsoring

Estelle FORA-PORTHAULT (SIA)

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Congress venue



Le Couvent des Jacobins

**Centre des Congrès
de Rennes Métropole 20,**
Place Sainte-Anne
35000 Rennes



**LE
COUVENT
DES
JACOBINS**
CENTRE
DES CONGRÈS
DE RENNES
MÉTROPOLE

ACCESS



By train & Metro

Rennes Train station, the Couvent des Jacobins is a 27 mn walk away.

From the train station you can also take the metro line A and stop at Sainte Anne station.

Please note that, on the 3rd of July, the first train from Paris arrives at 8:15 am should you wish to arrive the day of the event make sure to book your ticket well in advance.



By car

High speed motorways A81.

Pay parking near the congress centre: Parking HOCHÉ
Place Hoche, 35000 Rennes

Access map: <https://www.c-park.fr/parking/parking-hoche>



By plane

1 hour from Paris CDG

Daily direct flights from the major cities of France and Europe.

Direct flights

1 hour 30 minutes from many major European cities.

A shuttle service connects the airport and the city centre.



ACCOMMODATION

**Book your hotel in Rennes
directly on the dedicated
platform:**

>> ACCOMMODATION

IDEAL ACCESS

- Direct flight s from Rennes
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- ✈ Airport
- Ferry crossings

