

➤ PROGRAMME

SIA SOCIÉTÉ DES
INGÉNIEURS DE
L'AUTOMOBILE

sfip Société Française
des Ingénieurs
des Plastiques

4TH EDITION

International Congress & Exhibition

NeMMo 2025

New Materials for future Mobility

JULY 2 & 3, 2025

RENNES - FRANCE

NeMMo
New Materials for future Mobility

JOIN NEMMO 2025 AND SHARE YOUR EXPERT INSIGHTS ON NEW MATERIALS FOR MOBILITY

With the support of:



And the French Car Industry:



LANGUAGE OF THE CONGRESS

Slides and conference's
language will be in English.

NeMMo is back in Rennes for the 2025 edition!

Co-organized by SIA & SFIP, NeMMo is back on July 2 & 3, 2025 for two days of discussions and conferences, around an exhibition. It will allow to meet these expectations and imagine the future of mobility.

For its 4th edition, NeMMo will be held again in the magnificent and newly restored Convent des Jacobins in Rennes.

WHO will you meet?

- Automotive, Rail, Aeronautics & Naval Industry Managers
- OEMs, tiers N & raw materials suppliers,
- Materials processors and converters, machines & tooling manufacturers,
- Software, IA & simulation developers
- Materials recyclers,
- Academics
- ...

Join NeMMo 2025 & Imagine the FUTURE MOBILITY!

SCIENTIFIC COMMITTEE

Philippe ANTOINE,
ARCELORMITTAL

Nathalie BOUAD,
SIA

Gildas BUREAU,
STELLANTIS

Frédéric CHARON,
SIA

Yvan CHASTEL,
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Amaury CORNILLEAU/
Moez BEN AHMED,
GPA

Jean-Yves DACLIN,
PLASTICS EUROPE

Laurence DUFRANCATEL,
FORVIA

Jean-Yves FRASSON,
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IRT M2P

Patricia KRAWCZAK,
IMT NORD EUROPE

Gérard LIRAUT,
Renault Group

Olivier MORIAU,
ARCELORMITTAL

Pierre PRONOST,
OP MOBILITY

Olivier REBUFFET,
CONSTELLUM



ORGANISATION AND CONTACTS

Speakers: Pauline DESPORTES - SFIP // Tél. 33 6 37 53 52 68 // pauline.desportes@sfip-plastic.org

Exhibition & sponsoring: Adelaide Anna EVRA - SIA // Tél. +33 6 45 28 65 73 // adelaide.evra@sia.fr



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PROGRAMME WEDNESDAY 2 JULY 2025

08:00	➤	WELCOME COFFEE	EXHIBITION HALL - FLOOR 1
08:30	➤	WELCOME INTRODUCTION	NEF FLOOR 0
NEF FLOOR 0		SESSION DECARBONATION Chairpersons: Gérard Liraut – SFIP & Christophe Aufrere - SIA	
08:40	➤	KEYNOTE - Decarbonizing aviation: the major challenges facing the world of air transport Anne BARUSSAUD & Nicola PICCIRELLI - SAFRAN	
09:10	➤	KEYNOTE - Decarbonizing BUS: the major challenges facing the world of public transport Jean-Marc BOUCHERET - IVECO	
09:40	➤	KEYNOTE - Decarbonizing boating: the major challenges of the boating world Erwan FAOUCHER- BENETEAU	
10:10	➤	Presentation of exhibiting companies “2 minutes/ 2 slides”	
10:40	➤	Coffee Break	EXHIBITION HALL FLOOR 1
11:25	➤	PANEL DISCUSSION: Automotive decarbonation Moderator Frédéric CHARON - SIA Yvan CHASTEL - Renault Group, Gildas BUREAU - Stellantis, Pierre PRONOST - OPMobility, Claudiu VASILESCU - Forvia, Mathilde BERNARD DE LAVERNETTE - Valeo, Christophe CHEVALIER - Hutchinson	
12:25	➤	STUDENT CHALLENGE: FINAL PITCH & VOTE	
13:00	➤	Lunch Break	EXHIBITION HALL FLOOR 1
NEF FLOOR 0		POLYMER SESSION NEW MATERIALS FOR CURRENT & NEW MOBILITIES Chairpersons: Amaury Cornilleau – GPA & Pierre Pronost – OPMobility	METAL SESSION DESIGN / PROCESS / PRODUCT Chairpersons: Olivier Rebuffet – Constellium & Thierry Orsat - MICHELIN DORTOIRS FLOOR 1
14:50	➤	Material solutions to improve reliability of High Voltage sealed connectors Vincent DESCOMBES - CELANESE	Steel Electric SUV conversion into an Aluminium Intensive Vehicle. Key technical & economical metrics. Focus on aluminium formability Dominique DANIEL, Mary-Anne KULAS, Vincent LAURENT - ALUMOBILITY
15:15	➤	Thermofire: bio-based fire-retardant thermoplastic composites reinforced with natural fibres Eduardo LOPEZ - CTME, Elsa COUSIN - POLYMERIS, Carlota EGUILUZ - AVANZARE	Improving range and payload capacity of e-LCV with sustainable & cost effective steel solutions Fayçal NABIL, Matthieu AMBLARD - ARCELORMITTAL
15:40	➤	Electrically conductive polymer film with PTC effect (Positive Temperature Coefficient) for heating applications for automotive Philippe PAUL BERT - HEATSELF	Robust conditions for press-hardened steel concepts in industrial forming processes Michael LINNEPE - THYSSENKRUPP STEEL EUROPE
16:05	➤	Coffee Break	EXHIBITION HALL FLOOR 1
16:50	➤	Advancing EV thermal management through polyamide (PA) solutions François POTIER, Nancy Zilli - DOMO	PANEL DISCUSSION: Aluminium casting for body in white Moderator Olivier REBUFFET - CONSTELLIUM Franck GATÉ - Renault Group - Hermann ROOS - Bühler – Régis ALAIN - Gaming Engineeringg
17:15	➤	Mold in Color Recycled PP Compound for Automotive exterior trims Pascal MANSCOUR - Renault Group Sylvain BONNO - LYONDELLBASELL	
17:40	➤	United for zero-emissions: Europe's collaborative push in EV innovation - ZEvRA project Martin PAJOT, Annabelle SION - Polymeris, Ricardo DEL VALLE - BAX, Daniel NEBEL - Fraunhofer	NEF FLOOR 0
18:05	➤	STUDENT CHALLENGE AWARD	NEF FLOOR 0
18:15	➤	NETWORKING COFFEE IN THE EXHIBITION & VISIT	EXHIBITION HALL FLOOR 1
19:45	➤	End of the 1 st day	
20:15	➤	COCKTAIL DINNER	
23:15	➤	FIN DE LA SOIRÉE	

PROGRAMME THURSDAY 3 JULY 2025

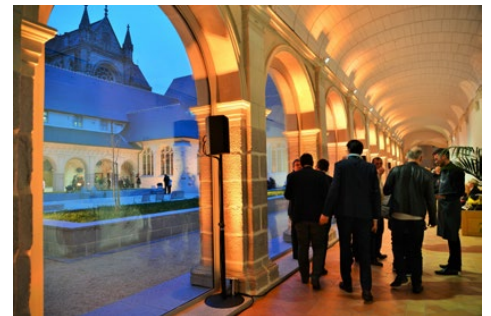
08:30	➤	WELCOME COFFEE EXHIBITION HALL - FLOOR 1			
NEF FLOOR 0		POLYMER SESSION TO RECYCLE OR TO BE RECYCLED Chairpersons: Laurent Gervat – Renault Group & Patricia Krawczak – IMT Nord Europe		METAL SESSION SUSTAINABILITY & CRITICAL MATERIALS Chairpersons: Gildas Bureau – Stellantis & Nathalie Bouad - SIA DORTOIRS FLOOR 1	
09:00	➤	Driving Circularity through partnership: sustainable compounds Laurence DUFRANCATEL– MATERI’ACT & Benoit PERREAU – VEOLIA		Heavy Rare Earth-free permanent magnet machines: what are the challenges for electric vehicle propulsion? Louis-Charles GARNIER, Meike WEHNER - VALEO	
09:25	➤	Prototyping a mechanically recycled pmma: hidden challenges and first succesful outcomes Laurent BARRE – VALEO LIGHT - Sven SCHROEBEL - ROHM GMBH, Alain GENTILINI – Renault Group		Increasing recycled metal content: the fastest, simplest, and most energy-efficient way to lower the carbon footprint of automotive aluminium products Jocelyne LIST, Dr. Fanny MAS - CONSTELLIUM	
09:50	➤	Closed-loop Recycling of Automotive Thermoplastic Parts: Insights from Turning End-of-Life Bumpers into New Bumpers Florence ALMEIDA-BLUNTZER - SABIC & Laurent CLAUDE - The Future is Neutral		CO ₂ reduced Steel: Key to Sustainable Automotive Production and a Circular Economy Fabian Botz - THYSSENKRUPP STEEL EUROPE	
10:15	➤	Coffee Break EXHIBITION HALL - FLOOR 1			
NEF FLOOR 0		POLYMER SESSION NEW MATERIALS FOR CURRENT & NEW MOBILITIES Chairpersons: Laurent Gervat – Renault Group & Patricia Krawczak – IMT Nord Europe		METAL SESSION DESIGN / PROCESS / PRODUCT Chairpersons: Yvan Chastel – Renault Group & Nicolas Kohout – IRT M2P DORTOIRS FLOOR 1	
11:00	➤	Innovations in the recycling of plastics materials in automotive seats: towards carbon neutrality Marie-Angélique PURAVET - CEA Liten - Marthin FRETIGNE - FORVIA		Innovative gel solution for sustainable, efficient disassembling of glued components without damaging them Louis MEUNIER - EXPLEO	
11:25	➤	From production process control to component & mold design: latest key success factors for PCR efficient integration in automotive interior applications Pierre DEMORTAIN, Luca GAZZOLA - SIRMAX		Mechanical and fatigue performances of multi material assemblies between Al alloys and various steel grades thanks to resistive welding and to an innovative in-situ additive manufacturing process (LISI μ-MACH-AP®) David MERCS - Libin LALU KOITHARA - Vincent DEMANGE - LISI AUTOMOTIVE	
11:50	➤	Carbon Fiber Recycling Louis Meunier - EXPLEO & Frédéric GOETTMANN - EXTRACTHIVE		Friction Stir Welding: High-Performance Solutions for battery casings, inverter/charger cooling and Bus Bars Stirweld Laurent DUBOURG - STIRWELD	
			12:15	➤	Multi-material assembly technologies to allow welding and expend the application fields of the Flowform®. Vitalij JANZEN, Matthias BERJAMIN - Arnold Fastening
12:25	➤	Lunch Break EXHIBITION HALL FLOOR 1			
			12:40	➤	Lunch Break EXHIBITION HALL - FLOOR 1
NEF FLOOR 0		POLYMER SESSION INTELLIGENT DESIGN FOR DECARBONIZED APPLICATIONS Chairpersons: Laurence Dufrancatel – Mater’act/ Forvia & Jean-Yves Daclin – Plastics Europe		METAL SESSION DESIGN / PROCESS / PRODUCT Chairpersons: Olivier Moriau – ArcelorMittal & Frédéric Charon – SIA DORTOIRS FLOOR 1	
14:15	➤	Implementing Eco-Design Strategies in Battery Cooling Lines Steven FAUCHER - ARAYMOND Adil BEN CHEKROUN - ARKEMA		A Pioneering Demonstration of Joining Complex HPDC Components to Steel Subassemblies with The Carry-Over Spot Welding ERWin® Process, Ensuring Geometrical Accuracy Romeu GOMES - IRT M2P, Corentin COUILLAUD, Maxime GROJEAN - Gaming engineering, Stéphane LOYER, Peggy BROUSSAUD LALOUE - STELLANTIS	
14:40	➤	Long-term performance prediction of thermoplastic materials by using accelerated test methods in combination with modeling, FE simulations and AI. Aitor ARRIAGA, Jon SOLOLUZE - Leartiker S. Coop.		Power of Less through Multi Part Integration: design, support and prototypes of latest MPI solutions Hubert SALMON-LEGAGNEUR, Joël WILSIUS, Benjamin SARRE - ARCELOMITTAL	
15:05	➤	H2 Storage technologies for mobility Marouane ASSEL, Julien RULLIER - SERES TECHNOLOGIES Laëtitia VERGER - FORVIA		Lightweight and sustainable aluminium side door solution Emmanuel Le Berre, Yvan Chastel - Renault Group Christian Lange, Jocelyne List - CONSTELLIUM	
15:30	➤	Electric Road Systems (ERS): beyond the attractive concept, what impact on materials? Guy DIEMUNSCH, Mourad TIGUERCHA - VEDECOM – Pierre HORNYCH - UGE NEF FLOOR 0			
15:55	➤	CONCLUSION OF THE CONGRESS			
16:00	➤	END OF THE CONGRESS			

JOIN US FOR A SPECIAL SOCIAL EVENT AND COCKTAIL DINNER!

18:15

Coffee in the exhibition

On the 1st day, at the end of the conferences, join us for a dedicated time with the exhibitors.



From
18:15

Come and discover the Pinault Collection ...

LES YEUX DANS LES YEUX' EXHIBITION

Every two years, the Pinault exhibition comes to the Couvent des Jacobins. In 2025, more than 90 works (paintings, sculptures and drawings) will be presented.



20:15

...Before enjoying a cocktail dinner at Mama Shelter

COCKTAIL DINNER AT THE MAMA SHELTER

With its large bay windows overlooking the Place des Lices, come and enjoy the atmosphere of Mama during this special evening.



MAMA SHELTER

MAMA SHELTER

3 Place de la Trinité
35000 Rennes



CONGRESS VENUE

LE COUVENT DES JACOBINS

CENTRE
DES CONGRÈS
DE RENNES
MÉTROPOLE



Le Couvent des Jacobins

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

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.

ACCOMODATION

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