

PROGRAMME



3RD EDITION

International Congress & Exhibition

NeMMo 2024

New Materials for future Mobility

Become an exhibitor!
More details page 6

JULY 3 & 4, 2024

RENNES - FRANCE

NeMMo
New Materials for future Mobility



JOIN NEMMO 2024 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.

Mobility has always evolved to connect new technologies with new societal demands. The current environmental concerns fuel a transformation as never before, with new modes of transport, new energies, new uses, new regulations, etc. Join NeMMo 2024, to make sure you are, or will be, ready to face these big challenges!

Co-organized by SIA & SFIP, NeMMo is back on **July 3 & 4, 2024** 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 3rd edition, NeMMo will be held in the magnificent, newly restored **Convent des Jacobins in Rennes**.

From materials to processes through engineering, NeMMo's Congress addresses the whole scope of solutions dedicated to the positive impacts of materials (**metals, polymers, minerals**) for a **sustainable, electrified, autonomous and connected mobility**.

This annual congress encourages exchange between mobility specialists and materials communities, including sustainability and circular economy topics, and showcases innovative products, applications and manufacturing achievements.

Be part of these challenges, let's meet at NeMMo 2024!

SCIENTIFIC COMMITTEE

Philippe ANTOINE
ARCELORMITTAL

Gildas BUREAU
STELLANTIS

Frédéric CHARON
SIA

Yvan CHASTEL
GROUPE RENAULT

Amaury CORNILLEAU
GPA

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PLASTICS EUROPE

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Thierry ORSAT
MICHELIN

Pierre PRONOST
PLASTIC OMNIUM

Olivier REBUFFET
CONSTELLIUM



ORGANISATION AND CONTACTS

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

Exhibition & sponsoring: Martin PIERRELEE - SIA // Tél. +33 6 76 62 24 87 // martin.pierrelee@sia.fr

PROGRAMME NeMMo WEDNESDAY 3 JULY 2024

08:45 > WELCOME COFFEE

09:20 > WELCOME INTRODUCTION
Chairpersons: SFIP & SIA

09:30 > **Keynote** - Automotive regulatory developments & impact on materials
Jean-François DEFER, Regulation & Homologation VP - RENAULT GROUP

10:00 > **Keynote** - ID4 Mobility: Ecosystem & innovations projects for future mobility
Sébastien PERSONNIC & Sergio CAPITAO DA SILVA - ID4 Mobility

10:30 > **Presentation of exhibiting companies "2 minutes/ 2 slides"**

11:00 > COFFEE BREAK

SESSION JOINING
Chairpersons: TBC

11:45 > Screening of automotive multi-material joining processes with aeronautical industry applications in view
Romeu GOMES, Nicolas KOHOUT - IRT M2P & Victor ACHARD - AIRBUS HELICOPTERS

12:10 > Sustainable approach to lightweight assembly for today's mobility demands
Murat TUNCER - BOSSARD AG

12:35 > Assembly of composite reinforcement in BIW
Thierry RENAULT - FORVIA, Antoine DE FONTGALLAND - IRT-JULES VERNE & Marie AUGEREAUL - STELLANTIS

13:00 > LUNCH

SESSION POLYMER FONCTION #1
Chairpersons: TBC

SESSION METAL SUSTAINABILITY
Chairpersons: TBC

15:00 > Why & how to substitute metal & rubber with innovative engineering polymers to improve better NVH performances of electrical vehicles?
Laurent LEFEBVRE & Mattia SULMONI - CELANESE

Steel from thyssenkrupp Steel Europe - Sustainable in Production and Application
Amalia KOLETTI - THYSSENKRUPP STEEL EUROPE

15:25 > Thermoplastic elastomers, a more sustainable approach to anti-vibration components
Kepa ZULUETA, Aizeti BURGOA - LEARTIKER S. COOP.
Anas MUJTABA - CELANESE

Transforming vehicle manufacturing and contribution to simplification operations with cost and sustainable effective steel solutions for E Mobility
Jérôme FAVERO, Dan HASENPOUTH - ARCELORMITTAL

15:50 > New aesthetic and sustainable surfaces for future mobility interiors
Guillaume BASQUIN - FORVIA

Wrought aluminium is ready for automotive circularity
Carla BARBATTI & Jocelyne LIST, Fanny Mas - CONSTELLIUM

16:15 > Materials for Innovative Automotive Heating Solutions
Guido ALESSI - ALPER & Andree MAINDOK - CELANESE

Metal Sustainability, two case studies: ongoing activities on secondary aluminium & perspectives; comparison between cold formed MS1500 and Hot formed Steel
Jean LAMONTANARA - MA GRUPPO CLN

16:40 > **Keynote** - Critical raw-materials in Automotive: regulations, supply-chain and sharing lesson learned on some strategic minerals
Gaëtan LEFEBVRE - OFREMI & Gildas BUREAU - STELLANTIS

17:10 > NETWORKING COFFEE IN THE EXHIBITION HALL

18:30 > CITY TOUR FOLLOWED BY A COCKTAIL DINNER AT 20:00 PM

PROGRAMME NeMMo THURSDAY 4 JULY 2024

08:30 > WELCOME COFFEE	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>SESSION POLYMER FONCTION #2 Chairpersons: TBC</p> </div> <div style="width: 48%;"> <p>SESSION BODY-IN-WHITE SOLUTIONS Chairpersons: TBC</p> </div> </div>	
09:00 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Long-term creep of a polyamide fuel tank subjected to hydrostatic pressure Laurent GERVAT, Pierre FURTWENGLER - RENAULT GROUP, Lucien LAIARINANDRASANA - MINES DE PARIS, Tom ENGELS, Bert KEESTRA - DSM</p> </div> <div style="width: 48%;"> <p>Metal additive manufacturing for body structure reinforcement Stéphane LOYER - STELLANTIS, Yannick VILLENEUVE - INSTITUT MAUPERTUIS & Philippe GELENNE - ESI GROUP</p> </div> </div>
09:25 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>New Generation High Pressure Vessels based on Thermoplastic Composite (Type IV-b) Didier MASTAIN & Jérémy VIALE - CETIM</p> </div> <div style="width: 48%;"> <p>Process/Product development of aluminium gigacasting parts for underbody Franck GATE - RENAULT GROUP</p> </div> </div>
09:50 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Factors influencing impact performance of large thermoplastic-based exterior front panels Aurélie BERGERON - PLASTIC OMNIUM & Ronald VAN DER WALD - SABIC</p> </div> <div style="width: 48%;"> <p>Gigacasting's focus A2MAC1</p> </div> </div>
10:15 > COFFEE BREAK	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>POLYMER MATERIALS #1 Chairpersons: TBC</p> </div> <div style="width: 48%;"> <p>SESSION METAL JOINING Chairpersons: TBC</p> </div> </div>	
11:00 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Innovative compounds for electronics (from 5G to conductivity) Tessnim SGHAIER & Frédéric DAVID - MITSUBISHI CHEMICAL GROUP</p> </div> <div style="width: 48%;"> <p>Challenges and Opportunities of Aluminium Intensive Body-in-White, focus on material and joining selection Olivier REBUFFET & Sylvain BEUCHER - ALUMOBILITY</p> </div> </div>
11:25 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Expand your ideas - Ultramid® Expand Polyamide based particle foam by BASF René HOLSCHUH & Patrick SPIES - BASF SE</p> </div> <div style="width: 48%;"> <p>Advancing Sustainable Mobility: A Collaborative Project in High-Pressure Aluminum Die Castings for Shock Towers with ERWin Technology Caroline TANO - STELLANTIS, Nicolas KOHOUT - IRT M2P & Maxime GROJEAN - GAMING ENGINEERING</p> </div> </div>
11:50 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Polyamide the material of choice for fuel cell cooling loop François POTIER - DOMO</p> </div> <div style="width: 48%;"> <p>Innovative approaches for multi material assemblies of Al alloys on steels, steels on Al alloys, and Al alloys on Al alloys David MERCS - LISI AUTOMOTIVE</p> </div> </div>
12:15 > LUNCH	
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>POLYMER MATERIALS #2 Chairpersons: TBC</p> </div> <div style="width: 48%;"> <p>SESSION ELECTRIFICATION Chairpersons: TBC</p> </div> </div>	
14:00 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Biobased and recycled raw materials in the formulation of elastomers Loïc PICARD - HUTCHINSON</p> </div> <div style="width: 48%;"> <p>Fire resistance performance of steel solutions for battery housing Tarek KRIM & Didier VERCHERE - ARCELORMITTAL</p> </div> </div>
14:25 >	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>VALEO Thermal Systems in automotive: "Evolution in plastic material choice integrating recycled and bio-sourced materials Alcina TANGHE & Peggy HAVET - VALEO THERMAL SYSTEMS</p> </div> <div style="width: 48%;"> <p>New Materials and components for e-Mobility Etienne CAMUS - CETIM</p> </div> </div>
14:50 > COFFEE BREAK	
<div style="background-color: #4a7c9c; color: white; padding: 5px;"> <p>CLOSING SESSION Chairpersons: SFIP & SIA</p> </div>	
15:30 >	<div style="background-color: #4a7c9c; color: white; padding: 5px;"> <p>Driving Automotive Innovation and Sustainable Mobility Using Graphene Chirag RATWANI & Dexter JOHNSON - THE GRAPHENE COUNCIL</p> </div>
15:55 >	<div style="background-color: #4a7c9c; color: white; padding: 5px;"> <p>A comprehensive review of bio-inspired surface transfer technologies in mechanical metamaterials for transportation applications Abderrahmane AYADI - IMT NORD EUROPE</p> </div>
16:20 > CONCLUSION	
16:30 > END OF THE CONGRESS	

JOIN US FOR A SPECIAL SOCIAL EVENT AND COCKTAIL DINNER!

17:15

Start the evening by a cocktail in the exhibition

Want to enjoy all the exhibitors of the congress? On the 1st day, at the end of the conferences, join us for a dedicated time with the exhibitors before leaving for the visit & dinner.

18:30

Come and discover the historic beauties of Rennes...

THE TOUR OF THE HISTORIC CENTRE

Are you ready to journey back in time?

From the ancient **Couvent des Jacobins** convent through the cobble lanes lined with colourful half-timbered houses, your walk will take you through several centuries. You will go through the Portes Mordelaises gate and its small castle with two towers, typical of medieval defensive estates, before reaching the **Town Hall (Place de la Mairie)**, its place and that of the Parlement of Brittany, which dates back to the era of Gabriel, architect to King Louis XV.

20:00

...Before enjoying a cocktail dinner Place de la Mairie

COCKTAIL DINNER AT THE "PICCADILLY" – PLACE DE LA MAIRIE

From the first rays of sunshine, the Picca's large terrace, in front of the gallery's arcades and facing the bustling square, is one of the most popular spots in Rennes.



PICCADILLY

Place de la Mairie
35000 Rennes

The restaurant is at the corner with Rue de Coetquen.



EXHIBITION & ADVERTISING

During the congress, an exhibition will be held. All breaks will take place in the exhibition allowing attendees and exhibitors to exchange in a friendly atmosphere.

In addition, we offer exhibitors the opportunity to make a speech in the plenary room before the break of the 1st day: "2min/2slides".

BOOK A BOOTH

	BASIC	SHELL	BUSINESS	PREMIUM	EXCLUSIVE	ELITE
Rates € (Exc. French VAT of 20%)	3 400 €	4 500 €	7 200 €	12 000 €	16 600 €	24 200 €
Fitted-out booth	6 sqm	9 sqm	12 sqm	18 sqm	24 sqm	30 sqm
Included badges	2	2	4	8	10	12
Dedicated space on the congress app	✓	✓	✓	✓	✓	✓
Logo on congress materials			✓	✓	✓	✓
Ad in digital book of conference			1	1	1	1
Ad in digital program			1/2	1/2	1	1
Advertising on the exhibitor's page (SIA's APP)				✓	✓	✓
E-mail banner						✓
Preferential location in exhibition						✓
Announcement as major sponsor						✓
Extra badges discount*		-10%	-20%	-30%	-40%	-40%
Extra Square Meter			500 € per square meter			

* As SMEs / Universities & Labs enjoy a lower entry rate, they cannot benefit from this extra discount.

ADVERTISING // VISIBILITY

Rates € (Exc. French VAT of 20%)	BACK COVER	INSIDE	INSIDE FRONT COVER	INSIDE BACK COVER
Digital program	950 €	950 €	1 300 €	950 €
Digital Conference book	950 €	950 €	1 300 €	950 €
Advertising on the app's homepage			1 500 €	
Advertising on the exhibitor's page			1 000 €	
Insertion of company booklet / goodies in the conference bags			1 500 €	
Lanyards			2 000 €	
Lunch, cocktail or Gala Dinner sponsoring*			On request	

* Company name & logo on all congress material as sponsor + your poster(s) next to the table(s) buffet.



REGISTRATION FORM

International Congress and Exhibition NeMMo - July 3 & 4, 2024 - Ref: 2024-02

Register directly on line: www.sia.fr

IN BLOCK CAPITALS

M^{rs} M^r

Family name : First Name:

Company: Department:

Position:

Adress:

Post code: City: Country:

Tel Mobile: Email

VAT Number

REGISTRATION FEES

- 1 176 € TTC** (980 € HT) - SIA – SFIP members
- 1 308 € TTC** (1090 € HT) - Non members
- 720 € TTC** (670 € HT) - Co-authors*, small firms (< 100 people**), Univ-Labs, PhD student, Member of SIA Expert
- 0 €** - Speaker***, Exhibitor, Steering Committee
- 0 €** - Package prime SFIP

*2 co-authors max

** Small firms, researchers and laboratories must not come under the control big firms > 100 employees

*** Speaker (one by company by presentation)

SOCIAL EVENT

- YES, I would like to attend the Guided City Tour** – included in the registration fee
- YES, I would like to attend the Cocktail Dinner** – included in the registration fee

I have food intolerances (please specify):

PAYMENT Please precise the invoice address

Adress

Post code City: Country

- By check in Euros made payable to:** "Société des Ingénieurs de l'Automobile"
- By bank transfer in Euros made payable to:** "Société des Ingénieurs de l'Automobile" (please enclose a copy)
IBAN: FR76 30003 03290 00020040139 58 – BIC – Adresse SWIFT : SOGEFRPP
Please, precise your company name and reference: 2024-02

- By credit card** American Express Diners Visa Eurocard Mastercard

I hereby

Authorise the organisers to charge my credit card to the amount of €

On my Card n° Expiration date /

3 or 4 digit CVV or CVC number (on back or front of credit card)

Cardholder's name

Date & signature:

Company stamp:

REGISTRATION CONDITIONS

- Registration fees include participation in the conference, abstracts book, refreshment breaks, lunches, visit and dinner on 03/07/2024. Where it is not possible to send the payment together with the form, each registration should be accompanied by an official purchase order. Failing reception of an official purchase order or payment on the day of the congress, we regret that you will not be allowed entry to the congress.
- When we have received the registration form, we will send you a confirmation message and an invoice. Please indicate the accounts department address when necessary.
- Cancellation charges will apply as follows: Up to 4 weeks before the event starts = 30% of the registration fees plus any bank transfer fee incurred by SIA / Less than 4 weeks before the event starts = without refund but you can nominate a substitute.
- Please check the GTC on the SIA website: https://www.sia.fr/medias/files/Evenements/sia_cgv_2020/siaevents_terms_and_conditions_2020.pdf

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

Book your hotel in
Rennes directly on the
dedicated platform:



IDEAL ACCESS

— Direct flight s
from Rennes

— High-speed
train lines

✈ Airport

..... Ferry crossings

