MATERIALS FOR FUTURE MOBILITY

Polymers for new mobilities
Metallic & Polymer solutions for lightweighting

3 - 4 FEBRUARY 2021

With the support of the French Car Industry & the Automotive Plasturgy Professional Organisation:
In view of the current crisis and the many uncertainties about the feasibility of holding our congress in 2021 face to face as initially planned, the Organising Committee and all stakeholders have taken the decision to transform the congress into a Digital Edition!

As a continuation of the Congress that was held in Bordeaux in 2018 and in order to take stock and evaluate the progress of the evolutions of the materials for future vehicles (choice - design and means of manufacture), the SFIP - Société Française des Ingénieurs des Plastiques and the SIA join forces to organize - with the support of GPA and PFA - a second edition of our congress “Polymer Materials for Future Mobility”.

Then, in order to complement the themes of former SFIP-SIA Polymers for Future Mobility congress, the SIA through its Experts’ Community “Materials and Carbody” has added a parallel session on Metallic & Polymer solutions for lightweighting leading to an expanded congress, entitled “Materials for Future Mobility” to be held on February 3rd & 4th, 2021.

These meetings and exchanges will address the following main themes:
> Electrical Energies:
- Hydrogen and Fuel Cells Vehicles
- Materials for electric (EVs) and hybrid electric (HEVs) vehicles
> Autonomous and Vehicles Integrated Photovoltaics - VIPV
> Materials Solutions for Lightweighting
> Polymer Solutions for Lightweighting
> Multimaterial joining technologies
> Circular Economy in Developments / New Materials

You will be able to hear the contributions of experts from the following companies: ARCELORMITTAL, CONSTELLIUM, MICHELIN, FAURECIA, GROUPE RENAULT, GROUPE PSA, TRANSPOLIS, COLLEGE DE FRANCE & OTHERS.

“Let’s share and transmit our knowledge, look to the technological future and imagine joint developments”

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**SCIENTIFIC COMMITTEES**

**POLYMERS FOR NEW MOBILITIES SESSIONS**

Gildas BUREAU, Stellantis
Amaury CORNILLEAU, GPA
Laurence DUFRAÎN CATEL, Faurecia
Laurent GERVAT, GROUPE RENAULT
Alain GIOCOSSA, SFIP
Hervé GROS, SIA
Virginie HUGUON, Stellantis
Gérard LIRAUT, GROUPE RENAULT
Thierry ORSAT, Michelin
Pierre PRONOST, Plastic Omnium

**METALLIC & POLYMER SOLUTIONS FOR LIGHTWEIGHTING SESSIONS**

Philippe ANTOINE, ArcelorMittal
Hervé GROS, SIA
Virginie HUGUON, Stellantis
Maxime KOWALSKI, IRT M2P
Thierry MARTIN, SNOP
Jean-Claude LE FLOUR, GROUPE RENAULT
Olivier REBUFFET, Constellium
Maxime TOURON, Gestamp

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**ORGANISATION & CONTACTS**

**SPEAKERS**
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chantal.sohm@sfip-plastic.org

**EXHIBITION AND SPONSORING**
Molly BOISSIER // SIA
+33 1 41 44 93 74
molly.boissier@sia.fr
PROGRAMME 3 FEBRUARY 2021

08:00  > OPENING OF THE DIGITAL PLATFORM

09:00  > Ouverture du Congrès // Congress Opening
SIA & SFIP

OPENING LECTURE

09:15  > Automotive industry: trends and challenges
Christophe AUFRERE, Chief Technology Officer, Faurecia

09:45  > VIRTUAL COFFEE BREAK > take some time to exchange with the speakers, exhibitors & participants with the open slots for One-to-One meetings using the integrated video calls from our platform! Do not miss the Exhibitors’ Pitchs!

ELECTRICAL ENERGIES // HYDROGEN AND FUEL CELLS VEHICLES
Chairpersons: Maxime KOWALSKI, IRT M2P & Thierry ORSAT, Michelin

10:00  > Hydrogen and land transportation
Robert LASSARTESSES, Groupe RENAULT

10:30  > Innovative thermoplastic solutions for hydrogen tanks
Nicolas DUFUAURE, ARKEMA

10:50  > eMobility: A new era for High Performance Polymers
Nicolas BATAILLEY, SOLVAY Speciality Polymers

11:10  > Q&A - Round Table with speakers

12:00  > VIRTUAL LUNCH BREAK > take some time to exchange with the speakers, exhibitors & participants with the open slots for One-to-One meetings using the integrated video calls from our platform! Do not miss the Exhibitors’ Pitchs!

ELECTRICAL ENERGIES // MATERIALS FOR ELECTRIC (EV) AND HYBRID ELECTRIC (HEVS) VEHICLES
Chairpersons: Alain GIOCOSA, SFIP & Pierre PRONOST, Plastic Omnium

13:30  > How alternative energies impact thermoplastic materials choice for Valeo Thermal Systems products: opportunities and challenges?
Peggy HAVET, Valeo Thermal Systems

13:50  > Latest developments in glycol resistant polyamides for automotive cooling circuits
Louise-Anne FILLOT & Tristan JOMBET, DOMO

END OF 1ST DAY LECTURE VIRGINIE HUGUON, SIA & GÉRARD LIRAUT, SFIP

16:15  > Inventions, Discoveries and Innovations: borders between scientific discoveries and technological innovations, specific examples
Didier ROUX - Collège de France : Liliane Bettencourt Technological Innovation Chair (2016-2017), French Academy of Science and Technology

16:45  > VIRTUAL COFFEE BREAK > take some time to exchange with the speakers, exhibitors & participants with the open slots for One-to-One meetings using the integrated video calls from our platform! Do not miss the Exhibitors’ Pitchs!

19:00  > End of Conference 1st Day
## PROGRAMME 4 FEBRUARY 2021

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00</td>
<td>VIRTUAL COFFEE BREAK &gt; take some time to exchange with the speakers, exhibitors &amp; participants with the open slots for One-to-One meetings using the integrated video calls from our platform! Do not miss the Exhibitors’ Pitchs!</td>
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<tr>
<td>08:30</td>
<td>AUTONOMOUS AND VEHICLES INTEGRATED PHOTOVOLTAICS - VIPV</td>
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<td>Chairpersons: Amaury CORNILLEAU, Groupement Plasturgie Automobile &amp; Laurent GERVAT, Groupe RENAULT</td>
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<td>MULTIMATERIAL JOINING TECHNOLOGIES</td>
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<td>Chairpersons: Jean-Claude LE FLOUR, GROUPE RENAULT &amp; Olivier REBUFFET, Constellium</td>
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<td></td>
<td>Autonomous vehicle in TCL network</td>
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<td></td>
<td>Jérôme SICARD, Keolis Lyon</td>
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<td>Stéphane BARBIER, Transpolis</td>
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<td>Manufacturing of a rear seat structure with one shot hybrid thermoplastic composites</td>
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<td>Thierry RENAULT, FAURECIA</td>
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<td>08:50</td>
<td>Components and packaging based on polymer for future automotive applications</td>
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<td>Isabelle BORD-MAJEK &amp; Yves OUSTEN, Université de Bordeaux, Laboratoire IMS</td>
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<td>ERWin innovation is now a mature key to support carmakers to resolve the great challenge of weight in automotive production with no opposing between environmental objectives and those of manufacturing competitiveness!</td>
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<td>Maxime GROJEAN, Gaming Engineering</td>
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<td>09:10</td>
<td>Process development of integrated photovoltaic cells in a double-curved composite structure for automotive application</td>
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<td>Tatiana DUIGOU, CEA Tech</td>
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<td>Mechanical joining technologies: opportunities for the competitiveness of tomorrow’s multi-material solutions</td>
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<td>Nicolas KOHOUT, IRT M2P</td>
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<td>09:30</td>
<td>Q&amp;A - Round Table with speakers</td>
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<tr>
<td>10:00</td>
<td>VIRTUAL COFFEE BREAK &gt; take some time to exchange with the speakers, exhibitors &amp; participants with the open slots for One-to-One meetings using the integrated video calls from our platform! Do not miss the Exhibitors’ Pitchs!</td>
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<tr>
<td>10:50</td>
<td>CIRCULAR ECONOMY IN DEVELOPMENTS / NEW MATERIALS</td>
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<td>Chairpersons: Virginie HUGUON, Stellantis / SIA &amp; Gérard LIRAUT, GROUPE RENAULT / SFIP</td>
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<td>Sustainable Materials at Michelin</td>
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<td>Christophe LE CLERC &amp; Salvatore PAGANO, Michelin</td>
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<td>11:10</td>
<td>How to finetune materials to control the CO₂ footprint?</td>
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<td>Hanna LARSSON, Polykemi AB</td>
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<td>11:30</td>
<td>THERMOFIL CIRCLE - Pushing the Boundaries of High-Performance Glass Coupled Polypropylene for accelerating part development and innovation in circular economy for sustainability</td>
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<td>Nicolas SCHLUTIG, SUMIKA Polymer Europe</td>
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<td>11:50</td>
<td>Aluminium, the material of choice for lightweighting and carbon footprint reduction</td>
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<td>Hervé RIBES, Constellium</td>
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<tr>
<td>12:10</td>
<td>Autonomous vehicle in TCL network</td>
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<td>Sophie RICHET, Stellantis</td>
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<td>12:30</td>
<td>Q&amp;A - Round Table with speakers</td>
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<td>13:15</td>
<td>Conclusion - Closing remarks</td>
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<td></td>
<td>SIA &amp; SFIP</td>
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<tr>
<td>13:30</td>
<td>NETWORKING AFTERNOON &gt; take some time to exchange with the speakers, exhibitors &amp; participants with the open slots for One-to-One meetings using the integrated video calls from our platform!</td>
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<tr>
<td>18:00</td>
<td>END OF THE CONGRESS</td>
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**CONTACT SPEAKERS:** CHANTAL SOHM // SFIP // chantal.sohm@sfip-plastic.org // +33 1 46 53 10 74
SECURE YOUR VIRTUAL ATTENDANCE NOW!

SIA and SFIP organize a virtual exhibition during the two days of congress. Take this opportunity to present to the main experts of the sector your applications and inform participants about your products and services.

VIRTUAL EXHIBITION 2021 - BOOTH PACKAGES

<table>
<thead>
<tr>
<th></th>
<th>BASIC</th>
<th>PREMIUM</th>
<th>ELITE</th>
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<tbody>
<tr>
<td>Rates € (Exc. French VAT of 20%)</td>
<td>2 000 €</td>
<td>3 000 €</td>
<td>5 000 €</td>
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<tr>
<td>Virtuel booth*</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Included badges</td>
<td>2</td>
<td>3</td>
<td>5</td>
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<tr>
<td>Logo on all congress material</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Announcement as exhibitor during the conference opening</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>One to one meetings via video calls</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Products &amp; Services showcase**</td>
<td>2</td>
<td>4</td>
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<tr>
<td>Opening session video - 10 sec. (1 session of your choice) or Company pitch</td>
<td>✓</td>
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<tr>
<td>Opening video &amp; announcement as major sponsor before the Round table or Keynote Speech - 1 min</td>
<td>✓</td>
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<td>Extra badges discount</td>
<td>-10%</td>
<td>-30%</td>
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*Virtual Exhibitor Booths via the SwapCard platform
Features included:
- Video banner: Both exhibitors and organizers can add a video as the banner of the exhibitor profile. The video can be live or pre-recorded.
- Company details, information and social media accounts.
- Meetings: Attendees can request meetings and video calls with the exhibitor page or directly with an exhibitor member.
- Sessions: Exhibitors sponsoring or speaking in a session will have the sessions attached to their profile.
- Documents: Exhibitors can add documents and links to their profile (pdf, doc, docx, ppt, pptx, png, jpg or external links) // 2 for BASIC - 3 for PREMIUM & 5 for ELITE
- Team members: Attendees can see and contact the team members of each exhibitor company.

**Products & Services Showcase: the exhibitor profile page showcases & highlight the products and services the company offers and redirect to a special page

ADVERTISING VIRTUAL EVENTS / 2021 Rates € (Exc. French VAT of 20%)

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<tr>
<td>Your banner in the confirmation e-mail sent to each participant</td>
<td>1 300 €</td>
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<tr>
<td>Advertising Ad on the platform home page</td>
<td>1 300 €</td>
</tr>
<tr>
<td>Conference book Ad Inside front cover (Distributed to all attendees)</td>
<td>1 300 €</td>
</tr>
<tr>
<td>Conference book Ad Inside page (Distributed to all attendees)</td>
<td>950 €</td>
</tr>
<tr>
<td>Opening session video - 10 sec. (1 session of your choice) - Limited number</td>
<td>950 €</td>
</tr>
<tr>
<td>Extra Product or Services showcase (for exhibitors only)</td>
<td>500 €</td>
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</table>

You have other ideas? Please contact us to discuss the best way to highlight your company
BULLETIN D’INSCRIPTION . REGISTRATION FORM

CONGRÈS INTERNATIONAL LES MATÉRIAUX POUR LA MOBILITÉ DU FUTUR - 3 & 4 Février 2021
International Congress Materials for Future Mobility – 3 & 4 February 2021

Ref: 2021-03

MERCI DE COMPLÉTER ET DE RENVOYER CE BULLETIN À : / PLEASE COMPLETE AND RETURN THIS FORM TO:
SIA – 79, rue Jean-Jacques Rousseau – F-92158 Suresnes Cedex / molly.boissier@sia.fr / Fax: +33 1 41 44 93 79


EN LETTRES MAJUSCULES . IN BLOCK CAPITALS

N° de TVA ............................................................................................................................................................
Email ..................................................................................................................................................................

Cryptogramme visuel (3 derniers chiffres au verso de la carte VISA ou les 4 chiffres au recto de la carte AMEX)

Nom du porteur de la carte / Cardholder’s name

Sur ma carte de crédit n° / Card number

Date de validité / Expiration date

SIA – 79, rue Jean-Jacques Rousseau – F-92158 Suresnes Cedex / molly.boissier@sia.fr / Fax: +33 1 41 44 93 79

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PAYMENT (Please precise the invoice address)

- Par chèque bancaire à : “Société des Ingénieurs de l’Automobile” (please enclose a copy)
IBAN: FR76 30003 03290 00020040139 58 – BIC – Adresse SWIFT : SOGEFRPP

- Par virement en Euros payable à : “Société des Ingénieurs de l’Automobile” (please enclose a copy)

Veillez indiquer votre nom et la référence : 2021-03 / Please, precise your company name and reference: 2021-03

- Par carte de crédit / By credit card: American Express / Diners / Visa / Eurocard Mastercard

Je soussigné(e) / I hereby …….

Autorise la SIA Sarl à débiter la somme de / authorise the organisers to charge my credit card to the amount of: ……………………... €

Sur ma carte de crédit n° / On my Card n° …………... Date de validité / Expiration date …………... / …………...

Cryptogramme visuel (3 derniers chiffres au verso de la carte VISA ou les 4 chiffres au recto de la carte AMEX)
3 or 4 digit CVV or CVC number (on back or front of credit card)

Nom du porteur de la carte / Cardholder’s name

Date & signature : Cachet de la société / Company stamp

FRAIS D’INSCRIPTION . REGISTRATION FEES

- 522 € TTC (435 € HT) - Membres SIA - SFIP / SIA – SFIP members
- 588 € TTC (490 € HT) - Non Membres / Non members
- 360 € TTC (300 € HT) - Co-auteurs, Laboratoires et universités, PME <100 salariés / co-authors, Univ and Labs, small firms <100 people
- 360 € TTC (300 € HT) - Membres SIA des Communautés d’Experts, Doctorants / SIA Experts’ Community Members, PhD Students
- Conférencier Gratuit (un seul par présentation) / Speaker (one by company by présentation)
- Exposant / Exhibitor
- Comité / Committee

Tarifs préférentiels pour les groupes (> 5 pers d’une même société) - Pour plus d’informations, nous contacter : molly.boissier@sia.fr
Preferential rates for groups – For further information, contact us.

MODALITÉS D’INSCRIPTION

• Les frais d’inscription comprennent l’accès aux conférences, les résumés et les présentations PDF.
• Dans le cas où le règlement ne pourrait être joint, merci d’envoyer un bon de commande officiel.
• En cas de paiement manquant, nous vous ferons parvenir une facture.
• Les participants ont la possibilité de se faire rembourser; uniquement sur demande écrite.

REGISTRATION CONDITIONS

• Registration fees include participation in the conference, abstracts book and PDF presentations.
• Where it is not possible to send the payment together with the form, each registration should be accompanied by an official purchase order. Failing receipt 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 you have received the registration form, we will send you a confirmation message and an invoice. Please indicate the accounts department address when necessary.
• Cancellation policy: please take into consideration the SIA’s General Terms and Conditions. Regis-
tered participants not able to attend may nominate a substitute and inform us in a written form.

SIA – 79, rue Jean-Jacques Rousseau – F-92158 Suresnes Cedex / molly.boissier@sia.fr / Fax: +33 1 41 44 93 79