

ANNUAL AUTOMOTIVE  
LIGHTWEIGHT MATERIALS  
ONLINE CONFERENCE

*R & Y*  
*International*

11 - 12 November 2021



[www.ryinternational.eu](http://www.ryinternational.eu)



+420 234 221 258



Virtual venue - "Hopin", (link will be provided separate)

# ANNUAL AUTOMOTIVE LIGHTWEIGHT MATERIALS ONLINE CONFERENCE

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 11 - 12 November

## Who Should Attend:

- Bonding
- Stamping
- Fastening
- Assembly
- Manufacturing
- Body-in-White
- Weight Engineering
- Assembly Processes
- Lightweight Technology
- Composite Manufacturing
- Advanced Product Creation
- Body Manufacturing Strategy
- Advanced Technology Research
- Manufacturing Strategies & Planning
- Manufacturing Research & Innovation

We are delighted to invite you to our upcoming  
**"Annual Automotive Lightweight  
Materials Online Conference"**

to be held on the 11th – 12th of November 2021

**Online conference time zone CET**

The conference will bring together all world's top – class automotive senior executives keen to share their knowledge and experience in the area of Automotive Lightweight Material technologies and give you an opportunity to discuss current and upcoming challenges in Automotive industry.

Lightweight technologies play now one of the main role in improvement of fuel efficiency without reducing enhancing safety and comfort

Our upcoming Annual Automotive Lightweight Materials Conference will be focusing on key questions of designing lightweight components and materials, moulding and processing technologies for automotive weight reduction, optimal combination of high strength steel, aluminium and reinforced plastics, new regulatory standards on safety



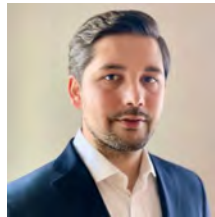
## SPEAKERS



11 - 12 November 2021



**Andrew Mills**  
Principal Research Fellow -  
Composites Manufacturing  
**Cranfield Composites Centre**  
- Cranfield University



**Patricio Barbale**  
Senior Analyst  
**IHS Markit**



**Per Martensson**  
Chief Sales Officer  
(CSO)  
**Bcomp AG**



**Manoj Garg**  
Lead Design  
Manager CMF  
**Renault**



**Marco Bernsdorf**  
Business Development  
Manager  
**Lotte Chemical**



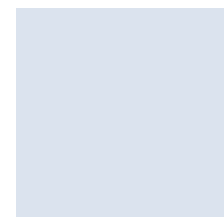
**Gethin Davies**  
Business Development  
Engineer  
**iCOMAT**



**Charles Chang**  
CEO  
**TLC Products, Inc**



**Dr. Ross Minty**  
Composites  
Development Engineer  
**Far-UK Ltd**



**Derek Schaefer**  
VP of Business  
Development  
**UBQ Materials Ltd.**

# ANNUAL AUTOMOTIVE LIGHTWEIGHT MATERIALS ONLINE CONFERENCE

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International

 11 - 12 November

**DAY - 1, November - 11**

## KEY LEARNING POINTS

- An Overview of Lightweighting Trends and Challenges
- Optimisation of Adhesive Applications In Automotive Production
- Future of Composites Manufactures
- Applications of New Materials and New Processes in Automotive Lightweight Development
- Latest Joining Technologies for Multi-Material Lightweight Car Body
- Safe and Stable Lightweight Composite Materials Selection and Process Innovation
- Innovative Solutions for Lightweight Body
- Latest OEM Lightweighting Strategies

**TO BOOK A DELEGATE PACKAGE OR TO GET MORE DETAILS**

**PLEASE CONTACT:** Russ Jacobs  
**EMAIL:** russ.jacobs@ryinternational.eu

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11:30 - 11:40	<b>WELCOME AND OPENING REMARKS FROM MODERATOR</b>
11:40 - 12:00	<b>ONLINE SPEED NETWORKING</b>
12:00 - 12:30	<b>EXPLORING THE BENEFITS AND ISSUES WITH HIGH-PERFORMANCE POLYMER COMPOSITES AS LIGHTWEIGHT REPLACEMENTS FOR METALS IN AUTOMOTIVE STRUCTURES</b> <ul style="list-style-type: none"> <li>• Materials options for future vehicle platforms and body light-weighting</li> <li>• Recent structural applications innovations using high performance composites:</li> <li>• Applications discussed include; Platforms, roofs, battery boxes, crash beams, pillars, bulkheads</li> <li>• Future best target parts for metals replacement</li> </ul> Speaker: Andrew Mills, Cranfield Composites Centre - Cranfield University
12:30 - 12:40	<b>Q&amp;A SESSION</b>
12:40 - 13:10	<b>ECONOMIC OUTLOOK FOR AUTOMOTIVE LIGHTWEIGHT MATERIALS</b> <ul style="list-style-type: none"> <li>• The market for materials through 2033</li> <li>• Changing multi-material strategy in the industry</li> <li>• Comparison of specific regions or brands to global averages</li> </ul> Speaker: Patricio Barbale, IHS Markit
13:10 - 13:20	<b>Q&amp;A SESSION</b>
13:20 - 13:40	<b>ONLINE NETWORKING BREAK</b>
13:40 - 14:10	<b>SUSTAINABILITY DESIGN FROM MATTER TO FORM</b> Speaker: Manoj Garg, Renault
14:10 - 14:20	<b>Q&amp;A SESSION</b>
14:20 - 14:50	<b>THE CHALLENGES OF JOINING &amp; MANUFACTURING MULTI-MATERIAL STRUCTURES FOR THE NEXT GENERATION OF VEHICLE</b> Speaker: Dr. Ross Minty, Far-UK Ltd

# ANNUAL AUTOMOTIVE LIGHTWEIGHT MATERIALS ONLINE CONFERENCE

 11 - 12 November

## DAY 1 - November 11

14:50 - 15:00	Q&A SESSION
15:00 - 15:20	ONLINE NETWORKING BREAK
15:20 - 15:50	SUSTAINABLE LIGHTWEIGHT MATERIALS FOR AUTOMOTIVE INTERIORS Speaker: Per Martensson, Bcomp AG
15:50 - 16:00	Q&A SESSION
16:00 - 16:40	PANEL DISCUSSION: HOW TO BALANCE LIGHTWEIGHT VEHICLE AND ITS SAFETY • Per Martensson, Bcomp AG • Andrew Mills, Cranfield Composites Centre - Cranfield University • Marco Bernsdorf, Lotte Chemical • Charles Chang, TLC Products, Inc • Manoj Garg, Renault
16:40 - 16:50	Q&A SESSION
16:50 - 17:00	CLOSING REMARKS FROM MODERATOR

**R&Y International** specializes in tailor-made business events, we cooperate with decision makers and senior-level executives from all around the world. Our professional team maintains the highest standards of quality in research and market analysis in order to provide our clients with the highest possible levels of incisive industry knowledge. We produce, conduct and coordinate conferences, summits and forums in major business industries of the emerging Global Market.

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## DAY - 2, November - 12

Our online conference is a unique platform which is similar to a regular in-person meeting with opportunities to join reception (where all attendees can find complete information and presentation schedule), main stage (area with online presentations in live format), networking (area for online speed networking, the best place to meet other experts, professionals and exchange business cards or have a short communication), online session area (special area where all participants can network online, make new business contacts, create their own closed rooms and invite another attendees to join them), virtual exhibition area (virtual exhibition space with opportunity to see the exhibition, solutions and products of the exhibitor companies and communicate directly with exhibitors via video and network online, join the presentations from exhibition partners as well).

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13:00 - 13:10

**WELCOME AND OPENING REMARKS FROM MODERATOR**

13:10 - 13:40

**A NOVEL BUMPER BACK BEAM MADE FROM WLFT® AND SUPRAN® LFT FIBRE REINFORCED PLASTIC MATERIALS**

- A novel design
- Understanding of material characteristics
- Simulation
- Hardware tests

Speaker: Marco Bernsdorf, Lotte Chemical

13:40 - 13:50

**Q&A SESSION**

13:50 - 14:20

**HYBRID STRUCTURES FOR HYBRID VEHICLES**

Speaker: Gethin Davies, iCOMAT

14:20 - 14:30

**Q&A SESSION**

14:30 - 14:50

**ONLINE NETWORKING BREAK**

14:50 - 15:20

**CO-GRAPHENE COMPOSITES FOR METAL WEIGHT REDUCTION**

Speaker: Charles Chang, TLC Products, Inc

15:20 - 15:30

**Q&A SESSION**

15:30 - 16:00

**LATEST INJECTION MOLDING TECHNOLOGIES FOR LIGHTWEIGHT STRUCTURES**

16:00 - 16:10

**Q&A SESSION**

16:10 - 16:20

**CLOSING REMARKS FROM MODERATOR**

# ANNUAL AUTOMOTIVE LIGHTWEIGHT MATERIALS ONLINE CONFERENCE

 11 - 12 November

## DELEGATE PACKAGE

- 2 days online conference, including presentations from the industry leaders, online networking, case studies.
- Electronic version of all presentations after the event, list of attendees and other conference materials.
- Full online access during conference, online chat, audio, video connections, video recording.

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OR TO GET MORE DETAILS**

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## DELEGATE PACKAGE

1 DELEGATE

**"All-in-one" package:  
Full participation to both conference  
days (including video recording,  
speaker's presentations and all other  
conference materials).**

**€ 99**



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## REGISTRATION FORM

DELEGATE PACKAGE	DELEGATE VIRTUAL PARTICIPATION	DOCUMENTATION PACKAGE	EXHIBITION OPPORTUNITIES	SPONSORSHIP OPPORTUNITIES
With accommodation	1 Day only	Conference materials	Exhibition space	BRONZE package
Without accommodation	2 Day only		Exhibition sponsorship	SILVER package
	Conference recording only		Keynote sponsorship	GOLD package
	All in one		Conference sponsorship	PLATINUM package

### Online Platform

Online platform - "Hopin" (link will be provided separate)

Mr. Ms. Mr. Ms.  
Dr. Prof. Dr. Prof.

\*First name

\*First name

\*Family name

\*Family name

1

\*Position

2

\*Position

\*Phone No

\*Phone No

\*E-mail

\*E-mail

\*Company

\*Country

\*Address

\*City

\*Phone No

\*VAT No

\*Post code

*only for EU countries*

Promo Code

DATE

PAYMENT METHOD

Credit Card

Bank Transfer

### TERMS AND CONDITIONS

By sending this form, I confirm that I have read and accepted the terms and conditions detailed below.

**Confirmation:** We will confirm your participation after receiving signed registration form. The delegate will receive the invoice within 24hrs of sending the signed form. The venue details will be sent two to three weeks before the start of the conference. In case, you would like to get accommodation details or group booking, please contact: russ.jacobs@ryinternational.eu

**Cancellation policy:** You may substitute delegates at any time by providing reasonable advance notice to R&Y Management s.r.o. All cancellations received 30 days prior the conference or in case of non-attendance - no free cancellation applicable, 31 to 60 days prior the conference - 50% participation fee can be refunded, more than 61 days prior the conference - 75% participation fee can be refunded. Refunds will be made after the conference. Cancellation should take place in written form. Verbal cancellations are not legally binding. 100% refund is possible in Force Majeure scenarios, such as: sickness of the delegate, forbidden actions of the government authorities, civil strife, epidemic, embargo, earthquakes, conflagrations, inundations and other natural disasters, denial of the visa. All of the above cases must be proved by legal documentation.

R&Y Management s.r.o. reserves the right to change the format, speakers, content, venue location, event date and program or any other aspect of the event as it deems necessary without penalty and in such situations no refunds, part refunds or alternative offers shall be made. In the event that R&Y Management s.r.o. reschedules or postpones an event for any reason, you will receive a credit note for 100% of the contract fee paid. In the event that R&Y Management s.r.o. cancels an event for any reason, you will receive a credit for 100% of the contract fee paid. No refunds, part refunds or alternative offers shall be made.

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I have read and agreed to the Terms and Conditions

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*Registration form is not valid without the signature*