AFICEP

IRC International Rubber Conference Organisation

RUBBERCON 2026

CONFERENCE PROGRAM

APRIL 28 & 29, 2026

2 DAYS FROM 8 AM TO 5 PM

SALONS DE L'AVEYRON | PARIS BERCY
17, RUE DE L'AUBRAC
75012 PARIS
FRANCE

CONTACT
JULIEN SORBON

FOR MORE INFORMATION:
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INTRODUCING THE SALONS DE L'AVEYRON

Who are they?

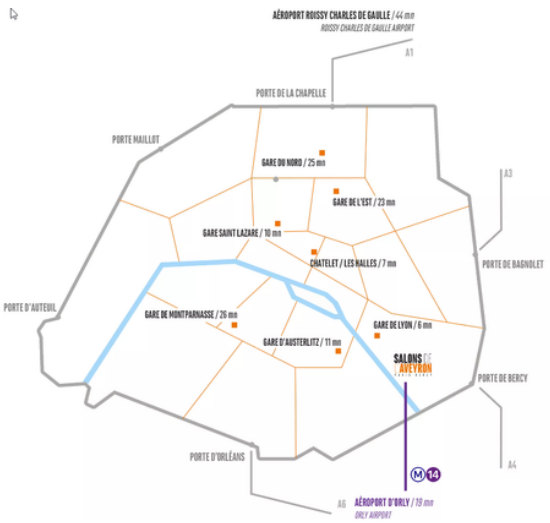
A modular event space of 1,300 m² that can accomodate between 100 and 800 people for meetings, congresses, conferences.

The modularity of their rooms associated with the experience of their teams ensure the realization of unique events, adaptable to all expectations.

Perfectly equipped rooms with the latest technology guarantee a successful event experience, giving it a new dimension.

Where are they?

Exceptional accessibility via line 14: 20 minutes from Orly airport, directly connected to RER A and C as well as to the main Parisian stations: Gare de Lyon, Châtelet, Gare Saint-Lazare, Bercy.

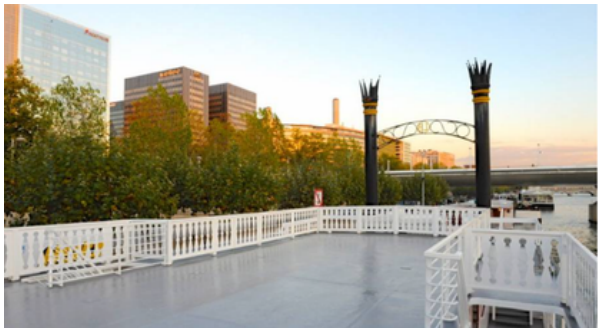


Métro	Ligne 14, Cour Saint-Emilion
Bus	Ligne 24 and 64 - Stop : Dijon Lachambeaudie
Gare	Gare de Lyon, Gare de Paris Bercy
Vélib	Station 12031 - Gabriel Lamé

GALA DINNER

The gala dinner will be held on the Seine as a reminder of the opening ceremony of the 2024 Olympic Games.

Date : Tuesday, April 28, 2026 from 7 PM to midnight.



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DAY 1 – APRIL 2026, 28			
8h – 9h	**Registration**		
9h	**Introduction to the Conference**		
9h20	**PL1 - Adam MACCARTHY - TYRES EUROPE** « The legislation & Regulatory Environment impacting the European tyre and rubber industry »		
10h	**PL2 - Ulrich GIESE - DIK** « From limited rubber recycling to recyclable elastomers »		
10h40	**Gold Sponsors Presentation: AVON PROTECTION & SAFIC-ALCAN**		
10h50	**COFFEE BREAK**		
	Hall 1 | AUBRAC	**Hall 2 | LÉVEZOU**	**Hall 3 | CARLADÈS**
11h20	**A01 - NAGAOKA UNIVERSITY OF TECHNOLOGY - S. KAWAHARA** Vulcanization of Silica-filled Natural Rubber Analyzed by Rubber-State NMR Spectroscopy	**L01 - WINDESHEIM UNIVERSITY OF APPLIED SCIENCES - R. CERPENTIER** Influence of twin-screw extruder residence time distribution on the devulcanization of passenger car tire tread material	**C01 - CNRS - J. P. COSAS FERNANDES** Assessing Phase-specific Structural and Nanomechanical Properties of Rubber Nanocomposites by Atomic Force Microscopy and Complementary Techniques
11h45	**A02 - AVON PROTECTION - R. MOON** Use of Recovered Silica (rSilicaTM) in Tyre Tread Formulations: Advancing Circularity through Innovative Reinforcement Strategies	**L02 - LABORATOIRE INGÉNIERIE DES MATÉRIAUX POLYMÈRES - V. SKYRONKA** Mechanical recycling of elastomers by twin-screw extrusion	**C02 - MATCHID - F. PIERRON** Measurement of volume change in sheet elastomer testing using back-to-back stereo Digital Image Correlation
12h10	**A03 - HOFFMANN MINERAL - N. HOLZMAYR** Various filler solutions for the future challenges of mobility	**L03 - DOKUZ EYLUL UNIVERSITY / STANDARD PROFIL - B. UZUNBAYIR** Microwave Devulcanization of EPDM Scrap: A Sustainable Approach to Rubber Recycling	**C03 - ALPHA TECHNOLOGIES - B. DEGIRMENCI** Advancing Sustainability in the Rubber Industry through Rubber Process Analyzer (RPA)
12h35	**LUNCH / POSTER SESSION**		
14h	**A04 - PCM TECHNOLOGIES - É. PERRET** Resistance to CO2 rapid decompression, a new challenge for CCUS applications	**L04 - UNIVERSITY OF TWENTE - A. BLUME** Does a resin act as an oil, a filler or a polymer in a rubber compound?	**C04 - SPARK CLEANTECH - E. PANNIER** Pulsed-Plasma Methane Plasmalysis: A Zero-Emission Route to Sustainable Carbon Black and Advanced Carbon Materials
14h25	**A05 - QUEEN MARY UNIVERSITY OF LONDON - S. PEDRONI** Modelling Carbon Black Aggregates and Packing as a Foundation for Predicting Gas Permeability in Rubber Composites	**L05 - ERGON INTERNATIONAL - C. BERGMANN** From Waste to Resource: Utilization of Recycling Oils in Rubber Compounds	**C05 - UTH - J. UTH** About the Influence of Fine Mesh Straining on the Rheological and Physical Properties of Rubber Compounds
14h50	**A06 - CLWYD COMPOUNDERS LTD - N. S. KUNCHERIA** Developing PFAS compliant Elastomeric Materials for Hydrogen Service: Addressing Diffusivity with 2D Nanomaterial Reinforcement	**L06 - REPSOL - M. BLÁZQUEZ IZQUIERDO** Repsol's New Advanced Process Oils for the Rubber Industry: Bioextensoil & C-Extensoil	**C06 - UNIVERSITY OF TWENTE - D. HUANG** Bridging Scales in Elastomers through Filler Modelling and Machine Learning
15h15	**A07 - METRAVIB MATERIAL TESTING - ALPHA TECHNOLOGIE - M. BADARD** Fillers distribution impact on crack propagation in rubber compound	**L07 - SLOVAK UNIVERSITY OF TECHNOLOGY - J. KRUŽELÁK** Biopolymer filled rubber compounds with applied plasticizer	**C07 - SYNTHOS SCHKOPAU - J. NOMAI** Development of SSBR for abrasion-resistant tires applying fracture mechanical methods
15h40	**COFFEE BREAK**		
16h10	**A08 - GUATECS - M. DORGET** Guayule supply chain: where are we?	**L08 - DECATHLON - A. CARON** Sustainable Rubber Integration: a Circular Economy case study in performance Footwear	**C08 - STANDARD PROFIL GROUP - Y. GÜNER** Hexafil-Kaolin as a Sustainable Carbon Black Alternative in EPDM Rubber for Automotive Weather Sealings
16h35	**A09 - IMP / MATEIS / CNRS - F. NADIN-AMBROSIO** Crystal Strain and Strain Hardening in Natural Rubber: Insights from In-Situ WAXS	**L09 - APTAR PHARMA - Y. FROMONT** Rubber Stoppers and Plungers Eco-design	**C09 - OMYA INTERNATIONAL - C. GEORGANTOPOULOS** Innovation Solutions of Omya Minerals: Assisting Sustainability in Rubber Compounding
17h	**A10 - ZEON - S. HASHIMOTO** Sustainable Isoprene and Butadiene	**L10 - LE MANS UNIVERSITÉ - P. PASETTO** Films, foams and hybrid materials obtained from the chemical recycling of rubber	**C10 - SOLVAY SILICA - A.-L. PINAULT** Improving Sustainability with Solvay's Circular & Specialty Silicas
17h45	**Conclusion of the first day / End of Session**		
19h	**Gala Diner**		

DAY 2 – APRIL 2026, 29			
8h – 9h	**Registration**		
9h	**Introduction to the day**		
9h10	**PL3 - James BUSFIELD - QMUL** « Improving the Circularity of Sulphur Crosslinked Natural Rubber »		
9h50	**PL4 - Sylvain CAILLOL - CNRS** « From Biobased to Recycling: A Perspective on Circular Polymer Design »		
10h30	**COFFEE BREAK**		
	Hall 1 | AUBRAC	**Hall 2 | LÉVEZOU**	**Hall 3 | CARLADÈS**
11h	**A11 - UPM BIOCHEMICALS - M. CRISAN** Ecodesign in Practice: Advancing Rubber Sustainability with UPM BioMotion™ Renewable Functional Fillers	**L11 - ENDURICA EUROPE - T. EBBOTT** Simulation of Oxidative and Anerobic Aging in Elastomers with Impacts on Fatigue Life	**C11 - ELANOVA LAB - S. CHOUPAS** Recyclability study of rubber waste from end-of-life vehicles (excluding tires)
11h25	**A12 - CNRS - G. NINHO CAMPOS** Revealing the impact of kraft lignin reinforcing filler on nanophase-specific cross-links of carboxylated nitrile rubber	**L12 - QUEEN MARY UNIVERSITY OF LONDON - O. RAMEKAJ** The Effect of Thermochemical Degradation on the Fatigue and Fracture Properties of NBR and HNBR Materials for Better Service Life Prediction	**C12 - ELKEM SILICONES - T. BANRY** Mechanical Recycling of Silicone Elastomers: Comparative Insights and Innovation Pathways from the RENOV Collaborative Project
11h50	**A13 - BIESTERFELD / SOLID PLANT - R. TURHAN** A Hemp-Based Functional Filler for Sustainable High-Performance Elastomers	**L13 - ELANOVA / PIMM - F. BLANCHARD** Analysis and modelling of the ageing of VMQ-type silicones under mechanical stress	**C13 - DECATHLON - Y. STOLZ** NHONE : Design to Recycle - Mechanical Reintegration of Thermoplastic Elastomers (TPE) from Complex Footwear Streams
12h15	**A14 - JRS RETTENMAIER - A. WEISS** Natural cellulose and wood based fibers in rubber	**L14 - WINDESHEIM UNIVERSITY OF APPLIED SCIENCES - E. ROETMAN** Evaluating the Environmental Performance of Devulcanized Rubber in Tire Production	**C14 - ICTP-CSIC - I. MAS GINER** Beyond formulation: Compounding-driven design for self-healable bio-based TPEs
12h40	**LUNCH / POSTER SESSION**		
14h	**A15 - MICHELIN / CEMHTI / ICR - A. ROMERO** Understanding the role of oxygen in the evolution of vulcanized rubber compounds by solid-state 17O-NMR and EPR spectroscopy	**L15 - MLPC-ARKEMA - K. FOURMY** Biobased alternative to guanidines for rubber applications	**C15 - MDC ENGINEERING - J. ROBERT** Paradigm shift in rubber extrusion and vulcanization: Integrated cascade technology and salt bath curing.
14h25	**A16 - INSTITUT DE CHIMIE DE CLERMONT-FERRAND - L. BRETON** Study of the photodegradation mechanisms of vulcanized dienic elastomers	**L16 - ICTP-CSIC - J. C. CHICHARRO SESTINES** Bio-based Vulcanization and Reprocessability in Epoxidized Natural Rubber	**C16 - REP INTERNATIONAL - R. DIAZ** High Shear Regeneration (HSR): An Industrial Approach for Rubber Recycling
14h50	**A17 - APOLLO TYRES GLOBAL R&D - A. BILICI** Effect of Third Monomer Type on the Service Life of EPDM-Based Materials - Time–Temperature Superposition Approach	**L17 - ARKEMA - M. GONCALVES MARQUES** HSE challenges for organic peroxide (OP): selection and use of innovative OP as crosslinking agents	**C17 - SI GROUP - D. PLUQUIN** Environmentally friendly tackifier developments with improved performance
15h15	**COFFEE BREAK**		
15h45	**A18 - TRATON - M. BELLANDER** From birch bark to prototypes in trucks – a new biobased rubber polymer is born and growing up	**L18 - ALPHA CARBONE - L. MOULIN** The impact of evolving tire composition on recovered Carbon Black (rCB) Performance: A Steam Pyrolysis Study	**C18 - CHEMOURS - E. CHAUVIGNÉ** Tailoring Fluoroelastomer Performance: The Evolving VitonTM Portfolio for Demanding Environments
16h10	**A19 - LEHMANN&VOSS&CO - M. SCHWEGMANN** Sustainable Raw Materials for the Rubber Industry: Oxi-Rubber and BSIL as Eco-Friendly Alternatives	**L19 - APOLLO TYRES GLOBAL R&D - N. SARAVANAN** Unlocking rCB Potential : Exploring Coupling Agents in Non-Tread Compounds	**C19 - ARLANXEO NETHERLANDS - M. HEMSTEDE** EVM blends with HNBR for improved low temperature and oil resistance properties
16h35	**Conclusion of the second day / End of RubberCon Paris 2026**		

ECO-DESIGNED MATERIALS

DURABILITY

ENERGY EFFICIENCY

POSTER PRESENTATIONS

- **H. OZCAN - APOLLO TYRES GLOBAL**

Advancing tire technology without resorcinol

- **R. BERNARDO - ARLANXEO NETHERLANDS**

Keltan®13951C, a high performance EPDM grade for automotive sealing systems

- **M. HEMSTEDE-VAN URK - ARLANXEO NETHERLANDS**

Hydrogenated Nitrile Rubber (HNBR) blends with improved processing characteristics

- **A. LAUKKANEN - BLACK DONUTS**

Replacing carbon black and other fossil-based components with microfibrillated cellulose – a novel premix material for tire industry

- **J.P. COSAS FERNANDES - CNRS**

Study of surface-modified nanocelluloses with reactive grafting agent as reinforcing fillers for Natural Rubber and SBR

- **G. NINHO CAMPOS - CNRS**

Tuning XSBR-Lignin Composites for Sustainable Tires

- **K. GOTTFRIED - COVESTRO DEUTSCHLAND**

Thermoplastic Polyurethanes TPU as a more sustainable rubber alternative

- **S. WOLLNITZ - D.O.G. CHEMIE**

Factice – an environmentally-friendly additive

- **D. KITSONOVA - DÄTWYLER**

Journey to Circular Rubber: From Repurposed Rubber to Renewable Additives in Advanced Sealing Application

- **Y. STOLZ - DECATHLON**

Bed to Boots : Closed-Loop Polyvinyl Chloride (PVC) Circularity in Sporting Goods Manufacturing

- **R. PAZUR - DEPARTMENT OF NATIONAL DEFENSE**

The Effect of Short-Term High Heat Exposure on Nitrile Rubber

- **J. CHALANCON - ELANOVA LAB**

Revulcanized Regenerated Rubber from End-of-Life Tires as a Secondary Raw Material

- **F. KNITTEL - ENTEX RUST & MITSCHKE GMBH**

Thermo-Mechanical Devulcanization of ELT using a Planetary Roller Extruder

- **F. DE LUCA - EXXONOMBIL CHEMICAL**

New Vistalon EPDM rubber grade for Automotive Weather seals application

- **N. ALLANIC - GEPEA / NANTES UNIVERSITÉ / IUT NANTES**

Challenges of thermal measurements and simulations to control and manage energy efficiency of rubber processing

- **C. WOO - KOREA INSTITUTE OF MACHINERY & MATERIALS**

A Study on the Design and Analysis Technology for Rubber Components

- **S. S. RANJAN - IS2M / CNRS / UHA**

A Study on the Design and Analysis Technology for Rubber Components

- **M.-P. DEFFARGES - LABORATOIRE LAMÉ / UNIVERSITÉ DE TOURS / CERMEL**

Correlation between properties and microstructure on Styrene-Butadiene Rubbers depending on the amount of recycled rubber incorporated

- **K. BOQAILEH - LABSCUBED**

Preparing Your Lab for Industry 4.0: Automation, Clean Data, and AI in Material Development

- **R. KESKINKAYA - POLITECNICO DI MILANO**

Amorphous polyesters for tyre compounds. The role of Janus pyrrole molecules

- **Y. SUN - QUEEN MARY UNIVERSITY OF LONDON**

A Simple Strategy to Improve the Sensitivity of Carbon Black–Silicone Piezoresistive Sensors

- **S. FRITSCH - SCHILL+SEILACHER "STRUKTOL"**

Process Additives - From Evolution to Revolution

- **M. IŞIN - SEÇIL KAUÇUK A.Ş.**

Effect of Silica and Surface-Modified Mullite on the Rheological and Mechanical Performance of EPDM Rubber Compounds

- **İ. KÖPRÜ - SEÇIL KAUÇUK A.Ş.**

Utilization of Waste Mussel Shells as a Bio-Based Filler in EPDM Rubber Composites

- **A. ÖTELEŞ - SEÇIL KAUÇUK A.Ş.**

Utilization of Calcium Carbonate and Industrial Slag as Sustainable Fillers in EPDM Rubber: Rheological and Mechanical Characterization

- **J. KIESEKAMP - SI GROUP**

Enhancing service life and sustainability: biobased cut and chip resin for OTR tires and other high-severity applications

- **J. KRUŽELÁK - SLOVAK UNIVERSITY OF TECHNOLOGY**

Rubber compounds based on devulcanized tire crumb

- **J. BOOMSMA - SONDEL ENGINEERING**

Shortening rubber product development time with easy-to-use FEA using NewtonSuite eSeal

- **M. SCHELLHORN - STEPHAN SCHMIDT**

Multifunctional and Sustainable Reinforcement of Elastomers with Advanced Clay Minerals (ACM)

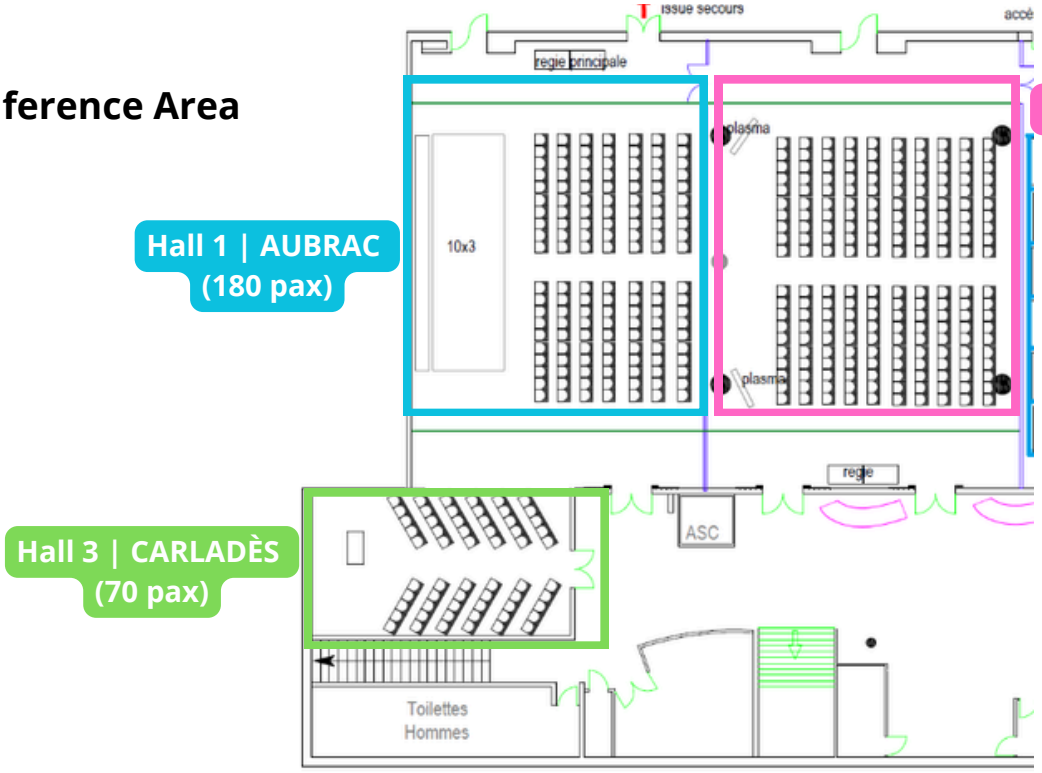
- **J. VAN VOSKUILEN - WINDESHEIM UNIVERSITY OF APPLIED SCIENCES**

Identifying rubber compounds in End-of-Life Tires with Spectroscopy and Deep Learning

VENUE MAP

Global Map

Conference Area



REGISTRATION

- **Standard Fee:** 850 €
  Fee includes access to the 2 days of conference and the Gala dinner *

**The boat's capacity being smaller than that of the conference venue, access to the Gala dinner is subject to availability and will be granted in order of registration among those who have confirmed their attendance by RSVP in early 2026.*

Register directly via the following link:

https://my.weezevent.com/rubbercon-2026-ecodesign-and-rubber-innovations

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THANKS FOR ALL SPONSORS WHO ALREADY DECIDED TO JOIN US FOR THE RUBBERCON 2026 PARIS!

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