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PRESS RELEASE

Advanced Recycling Conference 2024: New Focus Areas and Innovative Program Announced

Shaping the Future of Recycling From PVC and Textiles to Engineering Thermoplastics and Digital Solutions.

Hürth, 22 August 2024: The Advanced Recycling Conference (ARC) 2024 scheduled for 20-21 November 2024, in Cologne, Germany, and online, will feature an enhanced program that tackles some of the most pressing issues in recycling technology. Along the recycling of plastic packaging this year's conference will spotlight additional urgent topics such as E-waste valorisation, PVC recycling, textile recycling, and the utilisation of advanced recycling for engineering thermoplastics. Another key focus will explore advanced recycling through the lens of investments and funding strategies.

Participants will have the opportunity to explore a comprehensive range of recycling technologies, including extrusion, dissolution, enzymolysis, solvolysis, pyrolysis, thermal depolymerization, and gasification with Carbon Capture and Utilisation (CCU). The program also includes discussions on pre- and post-treatment technologies and digital innovations that are shaping the future of recycling.

Designed to address the ambitious EU recycling targets, ARC 2024 will focus on achieving the recycling quotas, e.g. achieving up to 70 % recycling quotas for packaging materials and 55 % for plastics. The conference serves as a crucial platform for industry leaders, brands, investors, and policymakers to navigate the evolving regulatory landscape and explore new opportunities in recycling.

Building on its rapid success, ARC has seen a 30 % increase in participation, with nearly 300 attendees from 26 countries joining the 2023 event. The 2024 edition aims to expand on this momentum by fostering deeper collaboration between experts in both physical and chemical recycling. Attendees will gain essential insights into how emerging trends and technological advancements can address the sector's evolving demands while aligning with sustainability and regulatory goals.

Early bird tickets are now available, offering a 10 % discount until 10 September 2024.

More information is available at <https://advanced-recycling.eu>.

Expert Insights and Visionaries: Meet the Speakers Leading the Future of Recycling

Find the full program at <https://advanced-recycling.eu/program/>.

Day 1, 20 November 2024

10:00-17:40 (CET)

Perspectives of Advanced Plastics Recycling

- **Lars Krause**, nova-Institute (DE) – *Mapping of Advanced Recycling Technologies and Global Capacities*
- **Peter Schwarz**, Covestro Deutschland (DE) – *Advanced Recycling of Engineering Thermoplastics – A Differentiated View on Recyclability*
- **Robert Kunzmann**, AC Biode (LU) – *Chemical Recycling of PE and PVC – Current Trends and New Technologies*
- **Oscar Vernaez and Laura Strobl**, Neste / Fraunhofer IVV (DE) – *E-Waste Plastics Valorization: A Symphony of Advanced Recycling Technologies*

Dissolution Technologies for Recycling of PVC and Engineering Plastics

- **Eric Romers**, INEOS Inovyn (BE) – *Advanced Recycling of Post-Consumer PVC Waste*
- **Juul Cuijpers**, ReSolved Technologies (NL) – *Advanced Solvent-Based Technology for the Closed-Loop Recycling; Purity is the Key to Circularity*
- **Abidin Balan**, Trinseo (NL) – *Revolutionizing Plastics by Groundbreaking Physical Recycling Methods: Trinseo's Infinite Recycling Technology for a Sustainable Future*

From Polymer to Building Units and Back to Polymer – An Excursion Through Different Depolymerisation Technologies

- **Jean Luc Dubois**, Trinseo - Altuglas International (FR) – *PolyMethylMethAcrylate (PMMA) Depolymerization by Trinseo*
- **Nicole Soligo**, Aquafil Group (IT) – *The ECONYL® Regeneration System – Chemical Recycling of PA6*
- **Nicolas Dubaut**, Plasticentropy France (FR) – *Plasticentropy, Recycling Multilayers Plastic Waste*

From Recovery of Feedstocks to Products

- **Richard von Goetze**, Interzero (DE) – *Evolving Feedstock Specifications in the Circular Economy*
- **Sneha Verma**, AEB amsterdam (NL) – *Transforming Waste for a Circular Future*
- **Javier Grau Forner**, AIMPLAS (ES) – *RECLAIM: A Portable, Robotic Material Recovery Facility*
- **Stephan Roest**, Borealis (AT) – *Chemical Recycling Important Part of Borealis' Transition to a Circular Economy*

Thermochemical Recycling (I)

- **Gillian Tweddle**, Stripe Consulting, (BE) – *Chemical recycling for the production of alternative naphtha*
- **Marco Karber**, AES Autonome Energiesysteme (DE) – *Economical Assessment of Small-Scale Pyrolysis Plants*
- **Martin Seemann**, University of Technology Chalmers / Energy Technology (SE) – *Direct Steam Cracking of Heterogeneous Plastic Waste – A Solution to Transform Chemical Clusters*
- **Valentijn de Neve**, BlueAlp Production (NL) – *Accelerating Plastic Recycling – Close to the Waste or Close to the Cracker?*

- **Jelle Ernst Oude Lenferink**, Fluor (NL) – *Developing Plastic (Pyrolysis) Recycling Projects – An EPC Contractor’s Perspective*

Day 2, 21 November 2024

9:00-17:30 (CET)

Markets, Investments and Funding

- **Peter Jetzer**, jrp collaboration promotion (DE) – *Price Dynamics and Market Evolution in the Plastics Recycling Industry*
- **Gerben Hieminga**, ING (NL) – *Let’s Talk Economics: How Recycling Stacks Up Against CCS, Hydrogen, and Electrification*
- **Jan-Willem Muller**, Infinity Recycling (NL) – *Advanced Recycling from an Investor’s Perspective*
- **Marc Spekreijse**, Circular Plastics NL Stichting (Foundation) (NL) – *Circular Plastics NL | Accelerate the Transition*

Different Approaches, Challenges, and Expanded Use of Physical Recycling Technologies

- **Julien Davin**, Saperatec (DE) – *How Delamination Recycling Can Enable the Access to Underutilized Feedstocks for Recycled Plastics*
- **Aditya Prakash Shembekar**, University of Edinburgh (UK) – *Sustainable Solutions for the Automotive Industry: Thermomechanical Recycling of Continuous Glass Fibre (GF) Reinforced Polyamide-6 (APA6) Composites*
- **Patrick Trubic**, Coperion (DE) – *Approaching Advanced Recycling Challenges with Twin Screw Extrusion Technology Innovations*
- **David Rapp**, KraussMaffei Extrusion (DE) – *Challenging the “Challenge-Test”: Are Physical Recycling Methods Suitable for Food-Grade Polyolefins?*

Dissolution Technologies for Recycling of Commodity Plastics

- **Wiebe Schipper**, PureCycle (BE) – *PureCycle: Closing the Loop on Polypropylene*
- **Virginie Bussièrès**, Polystyvert (CA) – *Economically viable Polystyrene Recycling by Dissolution*
- **Emmeline Aves**, Reventas (UK) – *Solvent-based Purification of PE, PP, and ReVentas Technology for Purification of Waste Polyolefins*

Depolymerisation Technologies for PET

- **Mathias Kirstein**, RITTEC 8.0 Umwelttechnik / matterr (DE) – *Beyond Bottle Recycling: Achieving Full Circularity for Polyester*
- **Clémentine Devarenne**, AXELERA (FR) – *WhiteCycle: An Innovative European Project to Process and Recycle PET from Complex Waste*
- **Pelin Uran**, DePoly (CH) – *Chemical Recycling of Polyester-based Products into Monomers*

Thermochemical Recycling (II)

- **Geoff Brighty**, Mura Technology (UK) – *Mura Technology – Aiming to be the Leading Provider of Recycled Oils for EU Circular Value Chains with Hydrothermal Treatment*
- **Eric Appelman**, Aduro Clean Technologies (CA) – *An Effective Alternative to Pyrolysis in Chemical Recycling*

- **Gonzalo Izquierdo**, Blueplasma Power (ES) – *Turning Waste into CO₂-free Hydrogen and Circular Carbonates*

Pre-/Post Treatment and Upgrading

- **Tobias Rieger**, Fraunhofer UMSICHT (DE) – *Methods for Pre- and Posttreatment of Feedstocks for Chemical Recycling of Plastic Wastes – Different Methods and Novel Approaches*
- **Outi Teräs**, Neste (FI) – *Refinery Upgrading to Enable Scale-up of Chemical Recycling*
- **Luis Hoffmann**, Sulzer Chemtech (CH) – *Pioneering Purity: Transformative Advances in Chemical Polymer Recycling*

Ticket registration

Ticket registration is now open at: <https://advanced-recycling.eu/registration/>. Early bird bookers can still benefit from a 10 % discount till **10 September 2024**.

Call for posters

ARC invites researchers, practitioners, and innovators to submit abstracts for poster presentations. The ARC poster session is an excellent opportunity to showcase latest research, technologies, and advancements in the field of recycling. Poster submissions are open until **7 October 2024**.

Poster submission: <https://advanced-recycling.eu/call-for-posters/>.

Sponsorship and exhibition

ARC 2024 is supported by visionary sponsors and kindly thanks gold sponsor DePoly and bronze sponsors Erema Group and Starlinger Group for their support and commitment to advancing recycling technologies.

The conference offers a range of sponsorship and exhibition opportunities for organizations looking to showcase their innovations and connect with industry leaders. Sponsoring the conference provides prominent visibility and engagement with a global audience of recycling professionals. Exhibitors will have the chance to present their latest technologies and solutions to key stakeholders in the recycling sector.

For more information on sponsorship packages and exhibition options, please visit the website or contact the sponsorship team at: <https://advanced-recycling.eu/sponsoring/>.

Partnerships

The Advanced Recycling Conference is supported by industry and trade associations, non-profit organisations, research institutions and interest groups that are thematically linked to the conference: BCNP Consultants (DE), C.A.R.M.E.N. (DE), ChemCologne (DE), Chemical Recycling Europe (EU), Chemie-Cluster Bayern (DE), Circular Plastics NL (NL), CLIB (DE), IBB Netzwerk (DE), ITA - International Centre for Sustainable Textiles (DE), kunststoffland.NRW (DE), Plastics Europe (DE), Renewable Carbon Initiative (International).

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Responsible for the content under German press law (V. i. S. d. P.):

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nova-Institut GmbH has been working in the field of sustainability since the mid-1990s and focuses today primarily on the topic of renewable carbon cycles (recycling, bioeconomy and CO₂ utilisation/CCU).

As an independent research institute, **nova** supports in particular customers in chemical, plastics and materials industries with the transformation from fossil to renewable carbon from biomass, direct CO₂ utilisation and recycling.

Both in the accompanying research of international innovation projects and in individual, scientifically based management consulting, a multidisciplinary team of scientists at **nova** deals with the entire range of topics from renewable raw materials, technologies and markets, economics, political framework conditions, life cycle assessments and sustainability to communication, target groups and strategy development.

50 experts from various disciplines are working together on the defossilisation of the industry and for a climate neutral future. More information at: nova-institute.eu – renewable-carbon.eu

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