

MATERIAL MEETS ENGINEERING

Westhafen Pier 1 in Frankfurt a. M., Germany

lyondellbasell



THURSDAY, JUNE 15, 2023

9:00 REGISTRATION AND WELCOME COFFEE		
Session 1	Introduction & kick off	Chair: Dr. Erik Licht
9:30	Welcome and Introduction	Frank Noeltgen, LyondellBasell
9:45	DEI / Safety moment: Sponsoring an ECO-challenge team	Bruno Viala, LyondellBasell
9:55	Nature as Capital: Scientific Co-design of Nature-Positive Business Practices	Dr. Sophie Peter, Dr. Alke Voskamp / Senckenberg Museum
10:20	The possibilities of Digitalization for material- & part release workflows	Michael Buedinger, LyondellBasell Hans Peter Schlegelmilch, Brain of Materials
10:45	Coffee Break	
Session 2	Circularity	Chair: Tapio Harmia, Easicomp
11:00	PlasticLoop Project: Closing the loop for mixed automotive plastic waste	Carl Schirmeister, LyondellBasell / Sven Wolf, SinCycle
11:30	LyondellBasell Advancing Sustainable Solutions: Unlocking possibilities	Olivier Montgault / Isaac Balague, LyondellBasell
12:00	CSI Miele: Circularity & Sustainability Investigations at Miele	Tatjana Daenzer, Miele
12:30	Lunch	
Session 3	Technology	Chair: Thorsten Ackermann, Ford
14:00	MIC White applications on Ford commercial vehicles	Mr. Tuncer Atan / M. Halil Ibrahim Bal, Ford
14:25	NEV megatrend in China and US driving LyondellBasell solutions	Feng, Wang (China) / Qu, Gavin (China) John Walling (USA), LyondellBasell
14:50	How to make plastics lighter?	Martine Mechelaere, LyondellBasell
15:15	Coffee Break	
Session 4	Design	Chair: Dr. Ralf Langendorf, Hochschule Mittelhessen
15:30	Translucent & transparent material solutions enabling design for new mobility	Alexandre Martin, LyondellBasell
15:55	Coloring of mechanical recycled materials, challenges & solutions	James Barrell / Michal Jablonski, LyondellBasell
16:20	Closing Remarks - Acknowledgements	Dr. Erik Licht, LyondellBasell
16:30	End of Presentation Section	
After event	Cocktail Reception	

SPEAKERS

Dr. Erik Licht

New Business Development Director, APS Europe, LyondellBasell

Erik received his Ph.D. in Chemistry from the University of Bayreuth in 1998, which focused on metallocene catalysts. He has extensive industry experience at LyondellBasell since 22 years in various technical and strategic roles and has been Director of New Business Development, Advanced Polymer Solutions at LyondellBasell since 2018. His honorary appointments include: Member of the scientific advisory board of the Cluster of Excellence "Living, Adaptive and Energy-Autonomous Materials Systems" at the University of Freiburg since 2020 and Deputy Chairman of the Arbeitskreis Polymere of the VDA (German Automotive Association).

Frank Nöltgen

Vice President, APS Europe, LyondellBasell

Frank Noeltgen is heading the European Advanced Polymer Solutions (APS) business of LyondellBasell. He started his present position in September 2018, combining and integrating the compounding and advanced polymer businesses after LyondellBasell's acquisition of A. Schulman. Frank has a broad experience in the polyolefin business based on roles with increasing responsibilities in business, sales, strategy, and technology functions in various countries. Prior to his current role he was responsible for LyondellBasell's global Technology Business, a leading polyolefin process technology licensor and marketer of polyolefin catalysts.

Frank holds a master's degree in business administration, after studying in Germany, France and the US. He is based in Rotterdam, the Netherlands.

Bruno Viala

Business Development Manager Polyamide and PBT, LyondellBasell

Bruno Viala joined New Business Development being appointed to the position of Business Development Manager Polyamide and PBT effective October 1st, 2021.

He holds a Master Degree in Mechanical Engineering from Universite Claude Bernard in Lyon. Bruno has more than 20 years of experience in plastic products and tools design, especially in automotive, covering projects managed in Europe, China and Latin America. He joined LyondellBasell (ASI) in 2017 as New Business Development for distribution products, then joined APS as Inside Sales Improvement Specialist, with an active participation in SAP and Salesforce integration projects.

Dr. Sophie Peter

Sociologist, Institute for Social-Ecological Research

Dr. Sophie Peter is a sociologist specializing in the field of biodiversity and society. For the past two years, she has been working at the ISOE - Institute for Social-Ecological Research studying the social-ecological perspective on biodiversity loss and the role of stakeholders, including the economy. Prior to her current position, she completed her PhD at the Senckenberg Biodiversity and Climate Research Centre. Dr. Peter's research interests revolve around understanding the complex dynamics between human activities and biodiversity, with a particular emphasis on exploring how different actors contribute to biodiversity conservation.

Dr. Alke Voskamp

Ecologist, Senckenberg Biodiversity and Climate Research Centre

Dr. Alke Voskamp is an ecologist with a strong interest in biodiversity conservation, researching impacts of environmental change (i.e. climate, land-use) on biodiversity. For the past five years, she has been working at the Senckenberg Biodiversity and Climate Research Centre, investigating the impacts of global change on biodiversity and developing tools to make research results accessible for different stakeholder groups to support conservation policy and practice. Her research focuses on synthesizing data from across different fields, including macroecology, biogeography and macroevolution into global change impact assessments to facilitate priority setting and support the development of conservation strategies.

Michael Buedinger

Business Development Manager, APS, LyondellBasell

Michael Buedinger holds an Engineering degree from Kunststofftechnik, FH Darmstadt Germany. He started his new position as Business Development Manager at LyondellBasell in 2012. His main focus is on leading automotive manufacturers. Prior to that, he worked for TS & CAE at Resinex and as Project-, Quality-, Production Manager at Div. TIER2.

SPEAKERS

Hans Peter Schlegelmilch

CEO | Vorstand, Brain of Materials AG

Hans Peter Schlegelmilch graduated in 1993 in the field of Chemistry from the University of Duisburg-Essen. He has broad industry experience of automotive biotope since 29 years. Currently he holds the position of CEO of Brain of Materials, focusing on digital transformation, integrating agile experiences and IT competence into the work. Prior to that, he served various positions in NEW AG, imat (Shenyang) Automotive Technology Co., Ltd. and imat-uve group gmbh.

Dr. Tapio Harmia

Founder and CEO of Easicomp GmbH

Tapio Harmia holds a master degree from the Technical University of Helsinki and a Ph.D. degree of the Technical University of Kaiserslautern, Institute for Composite Materials (IVW) GmbH. Between 1990 and 2011 he has held several positions at Neste, the Institute for Composite Materials (IVW) GmbH and FACT GmbH and has founded two business, one in the field of advanced composites and one in business consulting. Since 2011 he is the founder and CEO of Easicomp GmbH.

Dr. Carl Schirmeister

Business Development Manager, Feedstock for Mechanical and Advanced Recycling, LyondellBasell

Studied chemistry at University of Freiburg, Germany and University of Massachusetts, USA. PhD at LyondellBasell and University of Freiburg (supervisor Prof. Rolf Mülhaupt, Erik Licht) on 3D printing of self-reinforcing polyolefins, designed for circularity.

Since 2018 at LyondellBasell. First, Business Development Manager for 3D printing, then responsible for Advanced Recycling and Sustainable Material Solutions at APS.

Since 2023 part of the new LyondellBasell business unit Circular & Low Carbon Solutions as Business Development Manager for Feedstock for mechanical and advanced recycling.

Dr. Sven Wolf

CEO, Next Generation Elements GmbH

Graduated in 1992 at the Mining University of Leoben, Austria in Plastics Processing.

Started his career 1993 and has held various management positions along the plastic value chain for different technology providers in the plastics industry (Cables, Pipes, Packaging and Profiles) focus on plastics processing, machinery and engineering. Since more than 15 years focus on strategic development and circular economy on an MD level in the recycling, packaging and compounding (Leistritz Extrusion Technology) industry and since December 2021 supports the Next Generation Group of Companies as a CEO of NGE GmbH in the field of advanced (chemical) recycling.

He defended 2022 his PhD thesis "Smart aspects in the operation and technology of extrusion and compounding" successfully at the Johannes Kepler University Linz. As an international expert he was/is active in various national/international companies as a board member. Actually he is the vice-chair of the Board of Directors of the Competence Center CHASE GmbH at the Open Innovation Center of the LIT on the Johannes Kepler University and support the European Union as an expert to evaluate projects for the Horizon Europe program.

Olivier Montgault

Business Development Manager for STELLANTIS, PSA & OPEL, LyondellBasell

Olivier Montgault is currently Business Development Manager for STELLANTIS, PSA & OPEL and get a coordination role of recycling PP Compounds development for APS organization in Europe.

Olivier holds a Plastics Engineering Degree from Institut National des Sciences Appliquées de Lyon and has 18 years' experience in the automotive industry through Tiers1 & OEM. Since joining LyondellBasell in 2013 he has held various roles in Technical Service and Business Development for automotive market, building his experience in PP Compound materials and automotive applications.

Isaac Balague

APS Sustainability Manager, LyondellBasell

Isaac Balagué is part of the APS Global Innovation organization in the position of APS Sustainability Manager to implement the sustainability corporate strategy across the different businesses following customer requirements.

He holds a Chemical Engineering Degree from the Rovira i Virgili university in Tarragona. Isaac has more than 10 years of experience in plastic production and asset management. Since he joined LyondellBasell in 2015 has had different positions in R&D in Tarragona and Asset management for PP Compounds in Frankfurt and later on in Rotterdam.

SPEAKERS

Tatjana Daenzer

R&D / Rubber & Plastics Laboratory

Tatjana Dänzer studied Chemistry and received her PhD degree in 2019 at the Johannes-Gutenberg University in Mainz with focus on polymer chemistry. After working as a qualification engineer for one year, she joined Miele & Cie. KG in August 2021. At the Laboratory for Rubber and Plastics, which is located in the Bielefeld plant, she assesses the applicability of plastic recyclates in white goods and other household appliances. In different pilot projects, she evaluates the possibility to generate single-grade recycle material from the WEEE stream.

Thorsten Ackermann

Lead Sen. CMBP, Strategic Resins, Sustainability

Thorsten Ackermann graduated from DSHS / UNI Köln with a degree in Economics & Management.

He has over 23 years of experience in the automotive industry, working at Ford Motor Company. Currently, he serves as the Global Strategic Lead for Automotive Resins, Strategic Lead for Sealers and Adhesives as well as manages EU Raw Material TVM. Prior to that, he held various positions as buyer and manufacturing finance officer since 2000.

Mr. Tuncer Atan

Chapter Leader Supervisor for Exterior Plastic Applications of Commercial Vehicles, Ford

Tuncer Atan is working in the Exterior Plastic Applications of Commercial Vehicles as a Chapter Leader Supervisor. Experienced mainly development & modifications for Exterior Trim components for Trucks (F Max), Passenger Vehicles (Ford Puma), Light Commercial (Ford Courier) and Medium Commercial Vehicles (Transit Custom). Also he has been lightweight activities in Ford Otosan Exterior Trim commodities since 2020.

M. Halil İbrahim Bal

Manufacturing and Tooling Feasibility Engineer of the plastic trim applications, Ford

Halil İbrahim Bal is working as Manufacturing and Tooling Feasibility Engineer of the plastic trim applications , 4 years in Ford Otosan, 10 years as a mold designer and tooling engineer at plastic injection suppliers. He primarily worked on feasibility of plastic products for Trucks (F Max), Passenger Vehicles (Ford Puma), Light Commercial (Ford Courier , Ford Connect) and Medium Commercial Vehicles (Transit Custom). Additionally, he has been working on Lightweight & Sustainability studies, and advanced manufacturing Technologies.

Feng, Wang

Senior Manager, New Business Development & ADTS, NEA, APS, LyondellBasell

Wang Feng, Master degree, Senior manager of NBD and ADTS in NEA. 11 years working experience in LyondellBasell and 19 years in industry.

Qu, Gavin

PPC PAD Manager, APAC, APS, LyondellBasell

Qu, Gavin has a master degree in material science and technology from East China university of science and technology in China. He has more than 10 years product & application development experience in PPC for automotive applications, has multiple experience in VW/BMW/Ford and China local OEMs, particularly in Odor/VOC, light weight, low-CLTE, etc. technology. He joined LyondellBasell in 2019 as product and application development engineer(PAD) for BMW&VW OEM, then currently he is responsible for the China PPC PAD team.

John Walling

Business Development Manager # EV, APS New Business Development USCAN, LyondellBasell

John Walling joined LyondellBasell in 2022 in a new role to drive new business development in growth areas as dictated by this key emerging megatrend. The EV Technology space includes EV batteries and battery packs, EV vehicle electrical/power systems (power inverters, controllers, onboard chargers, etc...), charging station infrastructure (commercial and residential), storage system infrastructure (commercial and residential) and other additional spaces as identified and dictated by emerging EV trends.

John has 30 years experience in the plastics industry and has held roles such as Application Development Engineer, Market Development Manager, and leadership roles in both Marketing and Sales.

He previously worked for GE Plastics (now SABIC), Owens Corning Composites Systems, Victrex USA, and Lavergne Group. John holds a MBA from the Anderson School at UCLA and a B.S. Mechanical Engineering from the University of Michigan.

SPEAKERS

Martine Mechelaere

Technical Service Engineer, APS, LyondellBasell

Martine Mechelaere studied at the high school in Belgium, and has a degree in industrial chemistry.

After having worked several years in the research center of Shell-Louvain-La Neuve (Belgium), she moved to Germany to take up the position of technical service in transportation.

During this period, she worked on projects advancing sustainable mobility. End of 2019, she took up a position in the APS masterbatch division group in Belgium.

Dr. Ralf Langendorf

Teaching Assignment 'Polymer Materials', Hochschule Mittelhessen

Dr. Ralf Langendorf earned his degree in Chemistry from the University of Darmstadt in 1991. He then went on to work at the German Plastic Institute in Darmstadt where he focused on "Glassy state of low molecular organic compounds" under the supervision of Prof. Dr. D. Braun.

Since 1998, Dr. Langendorf has devoted more than 20 years to working at Adam Opel AG International Technical Development Center. He has held various positions including Head of Materials Engineering, Head of Global GM-Group responsible for Thermoplastics and other positions in National and International Expert groups like VDA and ACEA.

Currently, Dr. Langendorf is responsible for teaching "Polymer Materials" at the Technical University "Mittelhessen" in Friedberg since 2015.

Alexandre Martin

Business Development Manager, LyondellBasell

Alexandre Martin has a degree in plastic polymer engineering from Polyvia university in France. After several years as plant quality manager in injection molding company, he spend 3 years in Renault group quality department taking care of the approval of plastic parts in new vehicles projects. He joined LyondellBasell in 2018 as Business Development Manager for Renault & Dacia OEM, then currently he also follow Volvo OEM.

James Barrell

Business Development Manager Masterbatches, LyondellBasell

James Barrell joined the team being appointed to the positions of Business Development Managers for Masterbatch.

James holds a Bachelor of Science Degree in Chemistry from Kings College London and has 30 years' experience in the masterbatch industry. Since joining LyondellBasell (ASI) in 1995 he has held various roles in Product Development, Technical Service and Product Management for MBS and CPC, building expertise in masterbatch materials and applications.

Michal Jablonski

Business Development Manager CPC, LyondellBasell

Michal Jablonski joined the team being appointed to the positions of Business Development Managers for Masterbatch.

Michal graduated from Warsaw University of Technology with Master's Degree in Chemistry of Polymers, additionally received a Postgraduate Diploma in Project Management and Lean Management and Six Sigma Black Belt. He has been working for LyondellBasell (ASI) since 2007, building his experience mainly in color masterbatch development of CPC as well as technical support for key customers.