

RECYCLING WEEK 2024



**2nd WORLD RECYCLING
CONVENTION**

October 28-30, 2024 | Rome, Italy

CONFERENCE PROGRAMME

<https://recycling.thepeopleevents.com/>

Day 1

October 28, 2024

Registrations

08:00-08:30

Meeting Room: Sala Tiziano

NH Roma Villa Carpegna

08:30-08:55 Distribution of Badges

Keynote Forum

08:55 -09:00 Introduction

09:00-09:25

Title: Material Circularity in Shipping

Henning Gramann, GSR Services GmbH, Germany

09:30-09:55

Title: Sandwich belt high angle conveyors in harmony with the environment

Joseph Dos Santos, Dos Santos International, USA

10:00-10:25

Title: Building Momentum for Reuse

Teresa Bradley, Race to Zero Waste, USA

Coffee Break 10:30-10:50 @ Foyer

Morning Session

Recycling – Reduce, Reuse and Recovery

Moderator

Henning Gramann, GSR Services GmbH, Germany

10:50-11:05

Title: Challenges with the recycling of high voltage electrical insulation

Robert Sekula, Hitachi Energy Research, Poland

11:15-11:30

Title: Optimizing the glycolysis process of polyurethane foams

Carlota Hernandez, INESCOP, Spain

11:40-11:55

Title: Simulation of an integrated process flowsheet to recover valuable metals from waste cathode ray tubes and printed circuit boards

Sello Tsebe, Mintek, South Africa

12:05-12:20

Title: Waste as a Resource: Enhancing Resilience and Recycling Economy in Kibera's Informal Settlement

Deepakshi Mittal, Univeristy of Waterloo, Canada

Panel Discussion @ 12:30-12:50

Lunch Break 12:55-13:40 @ Hotel Restaurants

Afternoon Session

Plastic & Recycling Technology

Moderator

Joseph Dos Santos, Dos Santos International, USA

13:40-14:00

Title: Plastic sorting, artificial intelligence... and tenches

Steve Maraspin, MV Labs, Italy

14:05-14:25

Title: Advanced recycling of next generation biodegradable plastics

Matt Keith, University of Birmingham, UK

14:30-14:50 **Title: A systematic value chain approach to boost the circular use of plastics**
Paolo Glerean, Plastics Recyclers Europe, Belgium

14:55-15:15 **Title: Dehalogenation and upgrading of pyrolysis products for petrochemical applications**
Jan Snow, ORLEN UniCRE, Czech Republic

Panel Discussion @ 15:25-15:45

Coffee Break 15:45-16:05 @ Foyer

Evening Session **Plastic & Recycling Technology | Recycling – Reduce, Reuse and Recovery**
Moderator Hayden Sloan, Race to Zero Waste, USA

16:10-16:30 **Title: Blockchain-based verification and traceability of plastic recovery and recycling to ensure transparency and sustainability compliance**
André Vanyi-Robin, Plastiks, Spain

16:35-16:55 **Title: The impact of pharmaceutical communication rules on recycling messages and recycling LCA's: What you need to know**
Thomas Walther, Baumer hhs GmbH, Germany

17:00-17:20 **Title: Recovery and recycling of nafion membranes used in proton exchange membrane fuel cells (PEMFCs) through green chemistry**
Hakima Mendil-Jakani, SyMMES Laboratory, France

17:25-17:45 **Title: Sustainable footwear solutions: Integrating rice straw cellulose into TPU and SBR insoles for footwear**
Victor Manuel Serrano Martinez, INESCOP, Spain

Panel Discussion @ 17:50-18:10

End of Day 1 @ 18:10

Day 2

October 29, 2024

Registrations & Distribution of Badges @ 08:30-09:00 | Sala Tiziano

Keynote Forum

09:00-09:25 **Title: Developing a more sustainable glass recycling system**
Steve Whettingsteel, Krysteline Technologies Ltd, UK

09:30-09:55 **Title: Recycling of polyamides: Valorization of Nylon wastes**
Denis Rodrigue, Université Laval, Canada

10:00-10:25 **Title: Sustainable materials for recycling, and how they contribute in circular economy, project in textile and Clothing**
Dalia Benefatto, DEVALIA- a scientific approach to circular economy, Italy

Coffee Break 10:30-10:50 @ Foyer

Morning Session	Sustainability & Circular Economy
Moderator	Dalia Benefatto, DEVALIA- a scientific approach to circular economy, Italy
10:50-11:10	Title: Development of a footwear durability index as a key component in life cycle assessment Adrián Amat Bernabéu, INESCOP, Spain
11:15-11:35	Title: Food trays recycling: When plastic is really sustainable Simone Tirelli, Faerch Italy S.r.l., Italy
11:40-12:00	Title: Waste Gasification Daniele Pace, Frieden & Partners srl, Italy
12:05-12:25	Title: Aragon's regional hub for circularity and demonstration of local industrial urban symbiosis initiatives and demonstration of local industrial-urban symbiosis initiatives: REDOL project Noemi Cej, Next Technology Tecnotessile, Italy

Panel Discussion @ 12:30-12:50

Lunch Break 12:55-13:40 @ Hotel Restaurants

Afternoon Session:	Agriculture and Food Waste Recycling
Moderator	Denis Rodrigue, Université Laval, Canada
13:40-14:00	Title: Spent coffee grounds: From waste to energy source in thermochemical process Enrico Paris, CREA-IT, Italy
14:05-14:25	Title: Understanding your waste: Utilizing advanced spectroscopic tools to enhance safe and efficient use of waste incineration ash Jenny Rissler, Lund University, Sweden
14:30-14:50	Title: Agroindustrial residues as amendments of a Sandy soil to improve productivity of Lolium perenne under drought conditions M. Cristina Diez, Universidad de La Frontera, Chile
14:55-15:15	Title: Evaluating waste footprint of municipal solid waste in urbanizing hilly state of India Diksha Rana, Amity University, Punjab, India

Panel Discussion @ 15:25-15:45

Coffee Break 15:45-16:05 @ Foyer

16:10-17:30	Poster Presentations @ Foyer
P1	Title: Waste from electrical and electronic equipment recycling through the extraction of precious metals with deep eutectic solvents Elisabetta De Pinto, RINA Consulting, Italy
P2	Title: Towards sustainable hydrogen production: Innovations in nanostructured catalyst synthesis and life cycle assessment Agata matarazzo, University of Catania, Italy

- P3 Title: Valorization of alperujo for microbial biosurfactants production**
Karen Peñailillo Moraga, Universidad de La Frontera, Chile
- P4 Title: Enhancing oil removal by biosurfactant-producing bacteria Pseudomonas marginalis isolated from biopurification system**
Bárbara Emma Caniucura Galleguillos, Universidad La Frontera, Chile
- P5 Title: Sustainability through food upcycling: Transforming food by-products into eco-friendly high-value resources**
Dayoung Kang, Lotte R&D Center, Republic of Korea
- P6 Title: Microwave-assisted green solvolysis of composites recovered from construction and demolition waste: A study from the EU project REDOL**
Cecilia Chaine, CIRCE Technology Center, Spain
- P7 Title: Circular economy indicators applied to Sicilian agri-food chains**
Salvatore Ingenito, University of Catania, Italy
- P8 Title: Carbonation of biomass ashes as a method of carbon capture and storage and obtaining materials for the concrete industry**
Benjamín Nahuelcura, University of La Frontera, Chile

Panel Discussion @ 17:40-18:00

End of Day 2 @ 18:00

Day 3

October 30, 2024

Distribution of Badges and Registration @ 08:30-09:00 | Sala Tiziano

Keynote Forum

- 09:00-09:25 Title: Sustainable Digitale Infrastructures**
Gunnar Schomaker, Software Innovation Campus Paderborn, Germany
- 09:30-09:55 Title: The Urgent Shift: Harnessing Renewable Energy for a Sustainable Italy**
Maurizio Filippo Acciarri, University of Milano Bicocca, Italy
- 10:00-10:25 Title: Innovation in recovering strategic metals from spent lithium-ion battery by a new technology based on MICROWAVE**
Elza Bontempi, University of Brescia, Italy
- Coffee Break 10:30-10:50 @ Foyer**
- Morning Session Solution in Recycling Industries | Plastic, Paper, Glass & Metal Recycling**
Moderator Gunnar Schomaker, Software Innovation Campus Paderborn, Germany
- 10:50-11:10 Title: Innovative approaches in plastic waste chemical recycling**
Francesca Chionchio, NextChem Tech. S.p.A., Italy

11:15-11:35 **Title: Making big events environmentally friendly: The final four scores one for recycling**

JT Marburger, Circular Solutions Advisors, USA

11:40-12:00 **Title: Integrated chemical recycling of polyurethane waste: From model system to proof-of-concept on commercial samples**

Lukasz Pazdur, University of Antwerp, Belgium

12:05-12:25 **Title: Recycling the impossible: Perpetual life cycles for glass fiber composites**

David Morgan, Carbon Rivers, USA

Panel Discussion @ 12:30-12:50

Lunch Break 12:55-13:40 @ Hotel Restaurants

Afternoon Session: Technological Advancements | Circular Economy

Moderator Maurizio Filippo Acciarri, University of Milano Bicocca, Italy

13:40-14:00 **Title: How a regulatory framework promotes circularity in a Developing Country?**

Ricardo Estrada, ISEG-ULisboa / Grupo Plastilene, Colombia

14:05-14:25 **Title: Will be updated soon..**

Riccardo Succi, TOMRA Sorting SRL, Italy

14:30-14:50 **Title: Characterization of solar PV waste – progress in standardizing a 'recyclability index' for crystalline silicon PV panels**

Matt Burnell, ReSolar Ltd, UK

14:55-15:15 **Title: Thermal Natural Gas Cracking as a step towards energy clean transition**

Vittoria Cosentino, NextChem SpA, Italy

Panel Discussion @ 15:25-15:45

Coffee Break 15:45-16:05 @ Foyer

Evening Session: Sustainability & Circular Economy | Role of Freight and Logistics

Moderator

16:10-16:30 **Title: Creating Coalitions and Partnerships Across the Supply Chain**

Christi C. McGee, Circular Solutions Advisors, USA

16:35-16:55 **Title: Reverse logistics and recycling: a winning approach to support sustainability**

Bernardo Nicoletti, Temple University, Italy

17:00-17:20 **Title: Water recycling of the man made river project in Libya and achieving the strategic integration of water resources**

Hamza Elnawal, Man-Made River project, Libya

17:25-17:45 **Title: The potential of the marine-based nutricosmetic**

Irene Dini, University of Naples Federico II, Italy

Panel Discussion @ 17:50-18:10

End of Day 3 | End of Conference & Closing Ceremony @ 18:10