



OZPIPE 2024
FINAL
PROGRAM

OZPIPE 2024

SUSTAINABLE INFRASTRUCTURE - THE FUTURE IS NOW



PPN
Poly Pipe News

Session 1 - Global Sustainability Insights

📅 Tuesday, November 12, 2024

🕒 9:00 AM - 10:30 AM

Overview

Boronia Ballroom

9.00am - 9.10am

Welcome to Country

9.10am - 9.20am

Welcome - PIPA Chair Address

Paul Lavelle

9.20am - 9.30am

PPCA Address

Zoran Davidovski

9.30am - 9.50am

Sustainability at the core of strategies to accelerate the journey towards carbon neutrality

Paper ID01

Zoran Davidovski - Pipelife

9.50am - 10.10am

How to strengthen the development of China's plastic pipe industry in the new market environment

Paper ID02

Wang Zhanije - Chinese Plastic Piping Association (CPPA)

10.10am - 10.30am

A holistic environment footprint assessment of the European plastic pipe business

Paper ID03

Ludo Debever - TEPPFA



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Session 2 - The Environment and Water Security

📅 Tuesday, November 12, 2024

🕒 11:00 AM - 12:20 PM

Overview

Boronia Ballroom

11.00am - 11.20am

Insights gained in developing Environmental Product Declarations for plastic pipes in Australia

Paper ID04

Matthew Hynes - Iplex

Lucy Croker - Vinidex

11.20am - 11.40am

Microplastics and Plastic Pipes

Paper ID05

Ludo Debever - The European Plastic Pipes and Fittings Association (TEPPFA)

11.40am - 12.00pm

Application for geolocating water networks

Paper ID06

Dolores Herran - Molecor Technologia

12.00am - 12.20pm

Watermain break study - USA

Paper ID07

Bruce Hollands - PVC Pipe Association



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Session 3 - Design

📅 Tuesday, November 12, 2024

🕒 1:20 PM - 3:00 PM

Overview

Boronia Ballroom

1.20pm - 1.40pm

AS/NZS 2033 Design and Installation of PO Pipe Systems - A Significant Leap Forward

Paper ID08

Bob Lehunt - Lehunt and Associates Pty Ltd

1.40pm - 2.00pm

Design methods and actual performance of large diameter structured wall pipes

Paper ID09

Anders Andtbacka - Uponor

2.00pm - 2.20pm

Comparison of factors governing flexible buried pipes using finite element analysis

Paper ID10

Burt Look - AGTRE Pty Ltd

2.20pm - 2.40pm

Research on the performance and design of HDPE slip liners

Paper ID11

Professor Ian Moore - Queen's University

2.40pm - 3.00pm

The use of PE100+ materials in trenchless applications

Paper ID12

Andy Wedgner - PE100+ Association



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Session 4 - Innovation

📅 Tuesday, November 12, 2024

🕒 3:30 PM - 5:00 PM

Overview

Boronoa Ballroom

3.30pm - 3.50pm

Long term performance in PE100 and PE100RC resins - does the comonoer length matter?

Paper ID13

Carlos Dominguez - LATEP - Rey Juan Carlos University

3.50pm - 4.10pm

Thermoforming process for sockets integrated with rieber system in molecularly oriented polyvinyl chloride (PVCO) pipes for pressurized water distribution

Paper ID14

Claudio Costa - Sica S.p.a.

4.10pm - 4.30pm

New approach to HDPE pipe fusion provides the ability to “Meet the Pipe Where It Lays”

Paper ID15

Sergion Arellano - Mcelroy Manufacturing Inc.

4.30pm - 4.50pm

Simple material saving technologies: Leveraging Automation and Machine Connectivity

Paper ID16

Joe Venegas - Rollepaal



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Session 5 - Hydrogen

📅 Wednesday, November 13, 2024

🕒 9:00 AM - 10:20 AM



Overview

Boronia Ballroom

9.00am - 9.10am

Opening remarks

9.10am - 9.30am

Effects of hydrogen on plastic pipes and elastomers

Paper ID17

Sebastian Manjarres Espinosa - Deakin University

9.30am - 9.50am

Innovative and low carbon impact Hydrogen pipe Infrastructure – SoluForce is revolutionizing the way energy is transported

Paper ID18

Robert Jan Berg - Soluforce

9.50am - 10.20am

Published hydrogen permeation study on 4 different types of PE pipes

Paper ID19

Andy Wedgner - PE100+ Association

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Session 6 - Recycling

📅 Wednesday, November 13, 2024

🕒 10:40 AM - 12:40 PM

Overview

Boronia Ballroom

10.40am - 11.00am

Improving mechanical sorting of post-consumed plastic waste to achieve circular plastic pipes

Paper ID20

Márton Bredács - Polymer Competence Center Leoben

11.00am - 11.20am

Closing the loop for PE-X pipe in practice through advanced recycling

Paper ID21

Anders Andtbacka - Borealis

11.20am - 11.40am

Development of a new quality control test method to assess the stress crack resistance of HDPE with recycled content

Paper ID22

Sara Stone - University of Minnesota

11.40am - 12.00pm

Designing stormwater pipes to incorporate post consumer recycle (PCR) while maintaining a long service life

Paper ID23

Ian Patterson - Vinidex

12.00pm - 12.20pm

What needs to be understood to use recyclates in plastic pipes: the influence of impurities on long-term properties

Paper ID24

Mario Messiha - Polymer Competence Center Leoben

12.20pm - 12.40pm

Establishing requirements for recycled HDPE in HDPE conduit

Paper ID25

Michael Pluimer - University of Minnesota



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Session 7 - Case Studies

📅 Wednesday, November 13, 2024

🕒 1:40 PM - 3:40 PM

Overview

Boronia Ballroom

1.40pm - 2.00pm

After the Quake - Rebuilding Christchurch's PE pipe network

Paper ID26

Mark Habel - Plasson

2.00pm - 2.20pm

The assessment of electrofusion assemblies

Paper ID27

Alan Whittle - Alan Whittle Pty Ltd

2.20pm - 2.40pm

Computer modeling the effect of elevated temperatures on the performance of large diameter Polyolefin Pipe under highway loadings

Paper ID28

Joe Babcanec - Advanced Drainage Systems (ADS)

2.40pm - 3.00pm

Case Study - Fusion parameters for large diameter PE pipes

Paper ID29

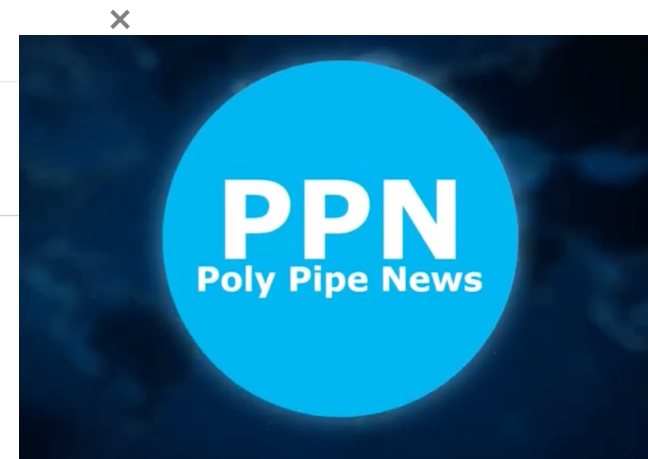
Mark Heathcote - Polymer Direct

3.00pm - 3.20pm

A step change in large diameter and in thick wall pipe manufacturing across the Middle East and Asia

Paper ID30

Alan Shore - Ravago NZ Ltd



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