

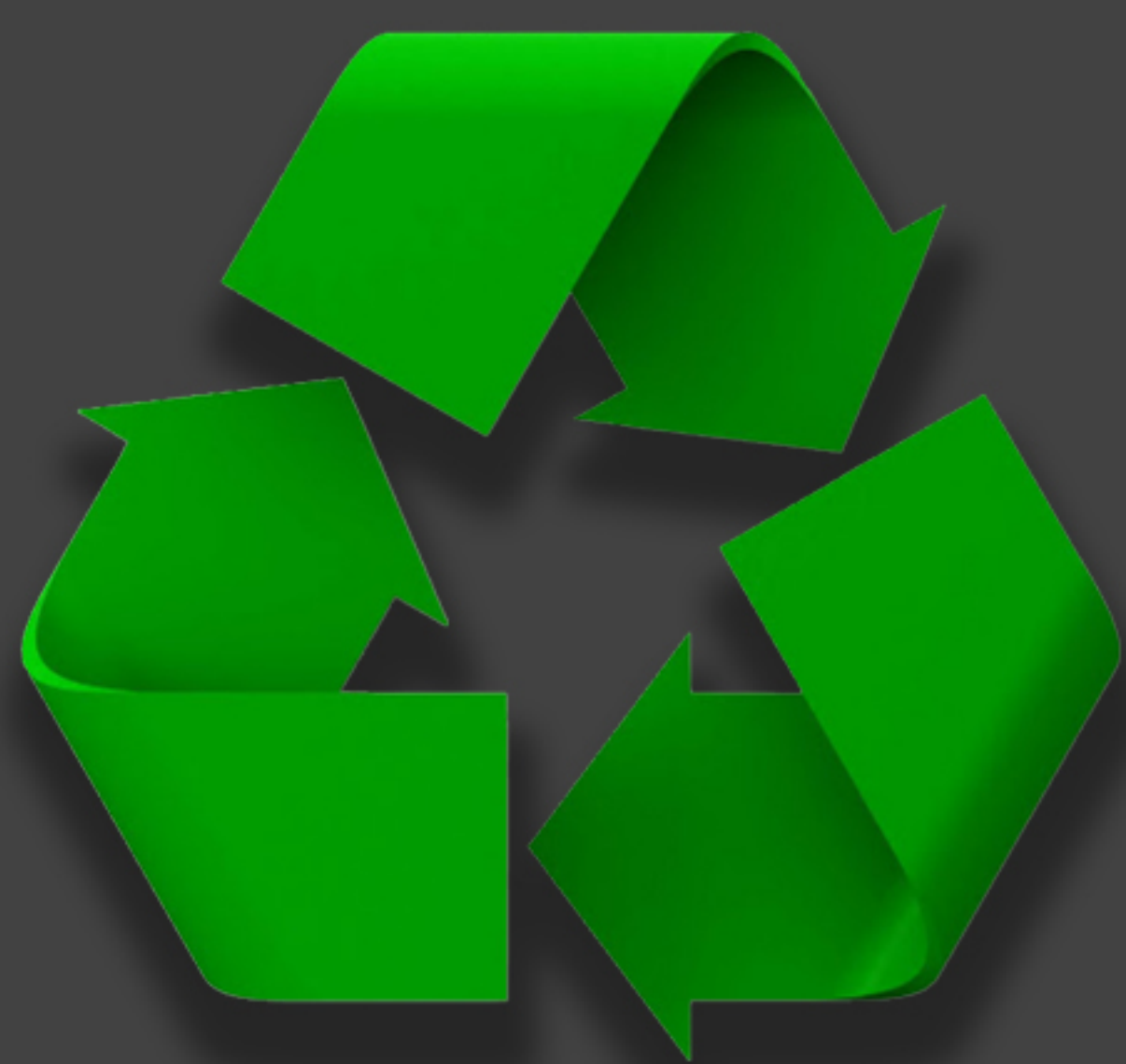


THURSDAY
17
DECEMBER



RILEM Technical Committee 279 WMR

Valorisation of Waste and Secondary Materials for Roads



December 17th, 2020
9:00-12:00

It is well established that currently a considerable amount of waste is produced and a major part of the resources are wasted through the mainly linear process of material use in our economies. Various types of waste materials such as crumb rubber, plastics and construction & demolition waste have been successfully used in road pavements.

RILEM TC 279-WMR aims to develop and broadly demonstrate such solutions in order to promote widespread market uptake. This workshop will bring together several stakeholders including those working within the TC in order to address various aspects pertaining to the use of waste and marginal materials in roads.

This spans from choice of waste and marginal materials, laboratory characterization, in situ performance and standardization.

Program

- 9.00 Overview of RILEM TC-279 WMR**
Lily Poulidakos (EMPA), Emiliano Pasquini (U Padova)
- 9.10 TG1 Waste plastic modified asphalt binders**
Marjan Tusar (ZAG)
- 9.25 Suitability of conventional test methods for heterogeneous materials**
Davide Lo Presti (U Palermo), Gaspare Giancontieri (U Palermo)
- 9.45 Standardisation and implementation requirements for asphalt with waste plastic**
Konrad Mollenhauer (U Kassel)
- 10.05 TG2 Crumb rubber modified asphalt binders**
Jorge Pais (U Minho)
- 10.20 Fatigue performance of mixes containing Reacted and Activated Rubber**
Jorge Sousa (CONSULPAV)
- 10.40 TG3 Waste aggregates in asphalt mixtures**
Emiliano Pasquini (U Padova), Augusto Cannone Falchetto (U Alaska Fairbanks), Fernando Moreno-Navarro (U Granada)
- 10.55 Use of recycled aggregate from construction and demolition waste for stabilized pavement subbases**
Marco Bassani (Politecnico Torino)
- 11.15 TG4 Environmental risk assessment**
Oumaya Marzouk (CEREMA), Gaetano Di Mino (U Palermo)
- 11.30 TG5 Life cycle assessment**
Davide Lo Presti (U Palermo), Ana Jimenez del Barco Carrion (U Granada)
- 11.45 Summary and closing**
Lily Poulidakos (EMPA), Emiliano Pasquini (U Padova)



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