Book of Abstracts

The WREN 2023 Symposium Technical Committee is pleased to present the book of accepted abstracts.

WREN 2023
The 1st WREN Symposium

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Young Children as Agents of Change: Empowering through Co-Design with Technology	Holly Tootell, Mark Freeman, Grant Ellmers	Talk 1.8A
The Role of UN SDGs in the Ocean Plastic Pollution Policy Arena	Isabela Ribeiro Borges de Carvalho	Talk 1.8B
The invisibility of urban informal settlements in city logistics policies	Cecília Aparecida Pereira, Renato da Silva Lima	Talk 2.1A
How circular economy initiatives in urban areas can help achieve the Sustainable Development Goals (SDGs).	Flávia Tuane Ferreira Moraes, Ghada Bouillass, Ana Júlia Ribeiro, Bernard Yannou, Renato da Silva Lima	Talk 2.1B
Development of a Sustainable and Eco-Friendly Smart House	H.Tharuma Nathan, R. Nishata Royan	Talk 2.4A
Smart Sensing in Antarctica	Johan Barthelemy, Krystal Randall	Talk 2.4B
The Circular Economy in the Fashion Industry: A Circular Fashion Index for the Supply Chain	Andreza de Aguiar Hugo, Jeniffer de Nadae, Renato da Silva Lima	Poster A2
#Make@difference – Urbanism for Happiness	Adriana Coelho Vieira, Rita de Cassia Girardi	Poster A3
Machine Learning for Biodiversity: Habitat Suitability in Conservation Units in São Paulo State, Brazil	Silvia Cristina de Jesus, Adriana Maria Zalla Catojo	Poster A4
Embedding Sustainable Development Goals in Engineering Curriculum	Leela Kempton, Emma Heffernan	Poster B1
Challenges Facing the Digital Transformation of Higher Education in Vietnam and Its Impact on the Quality of Education	Vu Kim Chi, Pham Xuan Hoan	Poster B2
Development of eco-efficient geopolymeric mortars using chamotte and waste glass-based alkaline solutions	Beatryz Cardoso Mendes, Leonardo Gonçalves Pedroti	Poster B3
Machine learning models for predicting compressive strength of concrete: potential and challenges	Rafael C. F. Paixão, Rúben E. Penido, Vítor F. Mendes, Alexandre A. Cury, Júlia C. Mendes	Poster B4
Female Participation in Brazilian engineering graduate programs: an analysis of civil, environmental, and transport engineering	Carolina de Melo Nunes Lopes, Juliane Aparecida Braz Stralino, Karina Marcele Marques, Camila Infanger Almeida, Arlene Maria Cunha Sarmanho, Júlia Castro Mendes	Poster C1
Career Progression of Women Academics in STEM: a New Conceptual Approach	Iresha Donmanige	Poster C2
Ethanol fermentation of tapioca wastewater in anaerobic baffled reactor	Kharisrama Trihatmoko, Takahiro Watari, Thu Huong Nguyen, Masashi Hatamoto, MTAP Kresnowati, Tjandra Setiadi, Takashi Yamaguchi	Poster C3
Road Accidents in Brazil: Data Analysis Using Multinomial Logistics Regression – Case Study of the State of Rio de Janiero	Adriana Coelho Vieira, Rita de Cassia Girardi	Poster C4