

International Symposium on Pavement, Roadway, and Bridge Life Cycle Assessment 2020

PARALLEL PAPER SESSIONS PROGRAM

Moderator	Week of Jan 11 th	Session	Presenter	Presentation Title
<i>Siqi Wang</i>	Tuesday Day 1	A	<i>Milena Rangelov</i>	Life Cycle Assessment of Ultra-high Performance Concrete Bridge Deck Overlays
			<i>Sabbie Miller</i>	Life Cycle Environmental Impact Considerations for Structural Concrete in Transportation Infrastructure
			<i>Andrea C. Ocampo</i>	ACCIONA's Expertise in the Use of LCA in Construction Sector
<i>Prashant Ram</i>	Tuesday Day 1	B	<i>Mark Buncher</i>	Life Cycle Assessment Study on Asphalt Binders Manufactured in North America
			<i>Ana J.D.B. Carrion</i>	Interpreting Life Cycle Assessment Results of Bio-asphalt Pavements for more Informed Decision-making
			<i>Katie Haslett</i>	Impacts of Climate-Change and Realistic Traffic Conditions on Asphalt Pavement and Rehabilitation Decisions using Life Cycle Assessment
<i>Ruijun Cao</i>	Tuesday Day 1	C	<i>Chaitanya G. Bhat</i>	Mapping of Unit Product System/Processes for Pavement LCA
			<i>Anne De Bortoli</i>	Asphalt Pavement Resurfacing: A Review Toward A Better Selection and Representativeness of LCI
			<i>Dragos Andrei</i>	Green Up Pavement Rehabilitation Decision Tool
<i>Angeli Jaymme</i>	Tuesday Day 1	D	<i>Gerardo Flintsch</i>	Effect of Durability on Fiber-reinforced Asphalt Mixtures Sustainability
			<i>Sushobhan Sen</i>	Rapid Ground-based Measurement of Pavement Albedo
			<i>Angela Farina</i>	Global Warming Potential and Fossil Depletion of Enhanced Rubber Modified Asphalt
<i>Watheq Sayeh</i>	Tuesday Day 1	E	<i>Imad Basheer</i>	Pavement life cycle assessment of State Highway Network with Caltrans Pavem System
			<i>Sadie Casillas</i>	Exploring the Cost Benefit Value and Relative Emissions of Pavement Preservation Treatments
			<i>Asa Lindgren</i>	Including Sustainability and Life Cycle Perspectives in Decision making
<i>Katie Haslett</i>	Wednesday Day 2	A	<i>Egemen Okte</i>	Combined Life Cycle Assessment and Life Cycle Cost Analysis for Illinois Tollway
			<i>Hui Li</i>	Integrated Evaluation Method of Life Cycle Economic and Environmental Impact for Permeable Pavement: Model Development and Case Study
			<i>DingXin Cheng</i>	A Case Study of Using Life Cycle Cost Analysis in Pavement Management System
<i>Sampat Kedarisetty</i>	Wednesday Day 2	B	<i>Kiran Mohanraj</i>	PVI Related Decision-making Tools in Use Phase of LCA: A Literature Review
			<i>Shabnam Rajaei</i>	Mechanistic Modeling of the Effect of Pavement Surface Mega-texture on Vehicle Rolling Resistance
			<i>Ali A. Butt</i>	Effect of Pavement Structural Response on Vehicle Fuel Consumption: Lessons Learned from Data Collection, Processing and Analysis
<i>Sushobhan Sen</i>	Wednesday Day 2	C	<i>Maryam Ostovar</i>	Life Cycle Assessment of a Thin Bonded Concrete Overlay of Asphalt Project in Woodland, California.
			<i>Qingwen Zhou</i>	Pavement Preservation and Maintenance Schedule Evaluation Using a Life-Cycle Assessment Tool
			<i>Chunfu Xin</i>	Sustainable Flexible Pavement Overlay Policy for Reduced Life-cycle Cost and Environmental Impact
<i>Hessam Azarjafari</i>	Wednesday Day 2	D	<i>Thomas Mattinzoli</i>	LCA and Cost Comparative Analysis of Half-Warm Mix Asphalts with Varying Degrees of RAP
			<i>Eugene Amarth</i>	Development of Pavement Performance Prediction Models for In-situ Recycled Pavements in Virginia
			<i>Gilberto M. Arguelles</i>	Carbon Footprint of Asphalt Road Pavements using Warm Mix Asphalt with Recycled Concrete Aggregates: A Colombian Case Study
<i>Chaitanya Bhat</i>	Wednesday Day 2	E	<i>Larissa Strömberg</i>	Assessment of Asphalt Concrete EPDs in Scandinavia and the United States
			<i>Susanna Toller</i>	Life Cycle Assessment in Public Procurement of Transport Infrastructure
			<i>Milena Rangelov</i>	Using Environmental Product Declarations to Support Pavement Green Public Procurement
<i>Mark Lozano</i>	Thursday Day 3	A	<i>Qingwen Zhou</i>	Pavement Recycling: A Case Study of Life-Cycle Assessment and Life-Cycle Cost Analysis
			<i>Ali A. Butt</i>	Lessons Learned from the Supply Curve Approach
			<i>Rami Chkaiban</i>	A Fuel and Non-fuel Vehicle Operating Costs Comparison of Select Vehicle Types and Fuel Sources: A Parametric Study
<i>Anne De Bortoli</i>	Thursday Day 3	B	<i>Milena Rangelov</i>	Life Cycle Assessment of Pervious Concrete Pavements Reinforced by Recycled Carbon Fiber Composite Elements
			<i>Hao Wang</i>	Impact of Allocation Method on Carbon Footprint of Pervious Concrete with Industry Byproducts
			<i>Xijun Shi</i>	Use of Recycled Aggregates in Concrete Pavement: Pavement Design and Life Cycle Assessment
<i>Hui Li</i>	Thursday Day 3	C	<i>Ronald Roberts</i>	Towards More Sustainable Airfield Pavements Using Life-Cycle Assessment of Design Alternatives
			<i>Davide Lo Presti</i>	Pavement Life Cycle Management: Towards a Sustainability Assessment Framework in Europe
			<i>Chaitanya G. Bhat</i>	Technical and Organizational Challenges to Developing Product Category Rules for Asphalt Pavement Construction
<i>Jiawen Liu</i>	Thursday Day 3	D	<i>Milad Ashtiani</i>	Network-level Life Cycle Assessment of Reclaimed Asphalt Pavement in Washington State
			<i>Mehran Mazari</i>	Preliminary Evaluation of Using Intelligent Compaction for Life Cycle Assessment and Life Cycle Cost Analysis of Pavement Structures
			<i>Oumaya Y. Marzouk</i>	LCA of Construction and Demolition Waste Recycling: Case Study of Production Phase
<i>Maryam Ostovar</i>	Thursday Day 3	E	<i>Ruijun Cao</i>	Energy Saving Evaluation of Warm Asphalt Rubber Pavements by Life Cycle Assessment with Uncertainty Analysis
			<i>Hessam Azarjafari</i>	Context-specific Assessment of Pavement Environmental Performance Considering Neighborhood Heterogeneity
			<i>Lianna Miller</i>	A Feasibility Study to Assess the Use of EPDs in Public Procurement
<i>Ning Xie</i>	Thursday Day 3	F	<i>Yu Fang</i>	How do Funds Allocation and Maintenance Intervention Affect the Deterioration Process of Urban Bridges in Shanghai
			<i>Jieying Zhang</i>	Considering the Effects that a Changing Climate will have on a Major Highway: A Comparative LCA Case Study of Flexible vs Rigid Pavement Performance
			<i>Bolaji Olanrewaju</i>	A Comparison of Concrete Quantities for Highway Bridge Projects: Pre-Construction Estimates vs On-site Records