




## SUNDAY 4th OCTOBER

6:00 PM	RECEPTION (6:00 to 8:00 PM)	Sponsored by	 
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## MONDAY 5th OCTOBER

9:00 AM	Jorge B. Sousa	Opening Remarks
9:20 AM	Bill Hoffman - Deputy Director NDOT	NDOT Welcome
9:30 AM	Michael Dunning - Clark County	Clark County Welcome
9:40 AM	Kevin Trenbert	Keynote Speaker "Man made weather changes - The EVIDENCE"

### 10:40 AM BREAK

11:00 AM	George Way	RAF - Rubberized Asphalt Foundation
11:20 AM	Mark Belshe/ Cliff Ashcroft	RPA - Rubber Pavements Association
11:40 AM	Shakir Shatnawi, Jorge B. Sousa	Reduced Thickness Design of Asphalt Rubber – Myth or Reality?
12:00 AM	George B. Way, Krishna Biligiri, Kamil Kaloush, Jorge B. Sousa, Ângelo Pinto, Rongji Cao	Rubberized Asphalt Open Graded Mix, International Experience

### 12:20 PM LUNCH Sponsored by



1:20 PM	Louay N. Mohammad, Mostafa Elseifi, Samuel Cooper, Jr.	Development of Louisiana's Rubberized Asphalt Binder Specification
1:40 PM	Cao Rongji, Wu Chunying, Yu Mingming, Liu Kaiqiong, Li Aifang	Application research of asphalt-rubber on recycling asphalt pavement
2:00 PM	Shakir Shatnawi, D. Fornai, V. Persici, C. Lupi	Occupational health risk assessment for the workers exposed to rubberized asphalt fumes - A comparative study based on monitoring campaigns
2:20 PM	AT Visser, James Ding, Shang Haiyan	A 10-year review of successful bitumen-rubber asphalt use in China
2:40 PM	Jorge B. Sousa, Henrique B. Miranda, Francisco Silva	Development of new asphalt mixture ThinGap 9.5 mm with Reacted and Activated Rubber

### 3:00 PM BREAK

3:20 PM	Mena I. Souliman, Michael Mamlouk, Kamil E. Kaloush	Endurance Limit for Asphalt Rubber Mixtures
3:40 PM	Hussain U. Bahia, Tirupan Mandal	Effect of Crumb Rubber on Rheological Properties of Asphalt Binder and Aggregate Packing of Asphalt Mixtures
4:00 PM	Torsten Nordgren, Purnomo, Hary Vasa, Lisminto	The Development of Rubberized Buton Asphalt in Indonesia
4:20 PM	Peter E. Sebaaly, Elie Y. Hajj, Edgard Hitti	Performance of Tire Rubber-Modified Asphalt Binder in Warm Mix Asphalt Mixtures
4:40 PM	Maria Angeles Izquierdo Rodriguez, Davide Lo Presti, Russell Rodgers, Gordon Airey	Use of pre-treated recycled tyre rubber in towards storage stable modified bituminous blends
5:00 PM	Juan Gallego, Jose M <sup>a</sup> Bermejo, Leticia Saiz	"Technical Guideline for the Production of Rubber Modified Bitumen – The Spanish Case"



## TUESDAY 6th OCTOBER

9:00 AM	Petr Špaček, Zdeněk Hegr, Lubomír Alman	Asphalt Rubber Quiet Pavements at Skanska Czech Republic
9:20 AM	DingXin Cheng, Lerose Lane	Initial Performance Study on Caltrans SR 36 Rubberized Chip Seal, Pilot Project
9:40 AM	Kamil Kaloush, Jerzy A. Ejsmont, Luc Goubert, Beata Świczko-Żurek, Grzegorz Ronowski	Poroelastic Low Noise Road Surfaces
10:00 AM	Beata Świczko-Żurek, Piotr Jaskula, Jerzy A. Ejsmont, Agnieszka Kędzierska, Paweł Czajkowski	Rolling Resistance And Tire/Road Noise On Rubberized Asphalt Pavement In Poland
10:20 AM	Krishna Prapoorna Biligiri, Jorge B. Sousa, George Bert Way	Damping Properties of Rubberized Asphalt Rubber using Ultrasonic Pulse Velocity Test

### 10:40 AM BREAK

11:00 AM	Amir Golalipour, Tobias Nill	Investigation of Suitable Testing Method for GTR Modified Asphalt Binder
11:20 AM	Rongji Cao, Jorge Pais, Paulo Pereira, Sara Amorim	Assessment of performance related properties of asphalt rubber binder subjected to long-time digestion
11:40 AM	J. Richard Willis, Clayton Plemons, Tom Rosenmayer, Doug Carlson, Brittany Blackledge	Effect of Ground Tire Rubber on Open-Graded Mixture Performance
12:00 AM	Kota Naga Babitha, Krishna Prapoorna Bilgiri	Evaluation of permanent deformation characteristics of asphalt-rubber mixtures based on E*/sinφ stiffness parameter

## TUESDAY 6th OCTOBER - Afternoon

12:20 PM	<b>LUNCH</b>	Jeffrey Smith		 <b>Asphalt Rubber Chip Seals - a life long experience</b>
1:20 PM	<b>Peter Sebaaly</b>	Jeff Stempihar, Waleed Zeiada, B. Shane Underwood, Kamil Kaloush		Laboratory Cracking Evaluation of a Warm Mix Rubber Modified Pavement
1:40 PM		Rupam Gogoi, Krishna Biligiri, Narayan Chandra Das		Laboratory fatigue performance evaluation of styrene butadiene rubber and crumb rubber modified asphalt mixtures
2:00 PM		Ferney Sinisterra, Márcio Muniz de Farias, Paulo Falcão, Liedi Bernucci		Rutting Performance of Dense HMA using Asphalt Rubber and Recycled Aggregates
2:20 PM		Mena I. Souliman, Kamil E. Kaloush		Impact of Added Rubber on the Mechanical, Mechanistic, and Economical Attributes Of Asphaltic Mixtures
2:40 PM		J. Richard Willis, Carolina Rodezno, Buzz Powell		Laboratory and Field Evaluation of a Rubber Modified Asphalt Mixture at the 2009 Test Track

3:00 PM	<b>BREAK</b>
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3:20 PM	<b>Mena Souliman</b>	Jorge B. Sousa, Marta Cacho, Michelle Fernandes	Torsion Induced Deformation testing for the assessment and improvement of Crumb Rubber Bitumen Mixtures
3:40 PM		Jose Medina, Kamil Kaloush, Shane Underwood	Properties of Activated Crumb Rubber Modified Binders
4:00 PM		George B. Way, Krishna Prapoorna Biligiri	Rubberized Asphalt and Neat Asphalt Aging Properties
4:20 PM		Ondrej Dasek, Jan Kudrna, Pavel Coufalik, Petr Hyzl, Michal Varaus, Jaroslava Daskova, Dusan Stehlik	Rheological Properties of Asphalt Rubber
4:40 PM		Jeff Stempihar, Ryan Stevens, Shane Underwood, Dharminder Pal	Properties of Arizona TR+ Binders in Multiple Stress Creep and Recovery Test
5:00 PM		G.A.J. Mturi, J. O'Connell, H. Marais and N. Hawes	A Brief Analysis of Over-Digested Crumb Rubber Modified Bitumen

<b>Gala Dinner/ Presentation of AWARDS</b>			
6:30 PM		<b>LAS PAMPAS</b> <b>50 USD for Spouses</b> <b>(must request ticket at registration desk)</b>  Kids are free	 
to			
8:30 PM			

## WEDNESDAY 7th OCTOBER

9:00 AM	<b>Alex Visser</b>	Jorge Pais, Paulo Pereira, Sara Amorim	Rheological behavior and scanning electron microscopy for the analysis of long digestion time asphalt rubber
9:20 AM		Yogesh Shamsunder Kumbarger, Krishna Prapoorna Biligiri	Investigation of aging behavior of asphalt-rubber binders and mixtures with asphaltene as a performance indicator
9:40 AM		Saroj Meena, Krishna Biligiri	Rheological properties predictive model based on $G^*/\sin\delta$ to investigate rutting and cracking performance of asphalt-rubber mixtures
10:00 AM		Ilan Ishai, Miki Amit, Engr. Tsafir Kesler, Ronen Peled	New Advancements in Rubberized Asphalt Using an Elastomeric Asphalt Extender – Three Case Studies
10:20 AM		Adam Bisek, Lukasz Skotnicki	Asphalt Rubber Pavements In Poland

10:40 AM	<b>BREAK</b>
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11:00 AM	<b>Krishna Biligiri</b>	Ayad Subhy, Davide Lo Prestia, Gordon Aireya	Fatigue and healing properties of rubberised asphalt binders produced with pre-treated recycled rubber
11:20 AM		Sallie Houston, Rielle Haichert, Gary Houston, Curtis Berthelot, Diana Podborochynski	Feasibility Study of Performance Grading Particulate Asphalt Rubber Binder
11:40 AM		Riccardi C., Cannone Falchetto, Rocchio P, Leandri P., Losa M., Wistuba M.	Experimental Investigation of Warm Mix Additives for Asphalt Binders Modified with Crumb Rubber
12:00 AM		Salih Kocak, M. Emin Kutay	A Hybrid Terminally Blend - Dry Crumb Rubber Modified Asphalt Mixture – CRHY

12:20 PM	<b>LUNCH</b>	<b>( On your own)</b>
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1:20 PM	<b>George Way</b>	J. Richard Willis, Carolina Rodezno, Tyler Mitchell, Michael Vrtis, David Timm	Comparison of 2012 NCAT Test Track Green Group Control Section and Rubber Experiment Section
1:40 PM		Zahid Hossain, Biswajit Baigri, Mark Belshe	Evaluation of Moisture Susceptibility of Ground Tire Rubber (GTR) Modified Asphalt Binders Through a Surface Science Approach
2:00 PM		Piotr Radziszewski, Jerzy Piłat, Michał Sarnowski, Aleksander Zborowski, Igor Ruttmar	Application of rubber modified binder to road pavement construction in Poland
2:20 PM		Prem Naidoo, Terry Naidoo, Tom Rosenmayer	Polymeric Suspension Additives for Improving Key Performance Properties of Asphalt Rubber Binders and Mixes
2:40 PM		Krishan Kant Meena, Anush Konayakanahalli Chandrappa, Krishna Prapoorna Biligiri	Field investigations on evaporative cooling effect of asphalt-rubber mixtures
3:00 PM		Safwat F. Said, Håkan Carlsson, Torsten Nordgre, Leif Viman	Performance of asphalt rubber pavements
3:20 PM		Jorge Sousa, George Way	Closing Session

3:40 PM	<b>BREAK</b>
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