



# Newsletter

## PPRA Fall Meeting – It worked!

Mike Krissoff - AEMA, ARRA, ISSA, PPRA Executive Director



Most of our members and readers are becoming familiar with the concept of PPRA, the Pavement Preservation & Recycling Alliance. PPRA is not an organization, it is an informal agreement among AEMA, ARRA, and ISSA to cooperate on certain functions. Some years ago, the three groups conducted 3-way joint annual meeting. It worked. Simply put, one band can play for 400

people in one place cheaper than three bands can play in 3 places for 150 people, and it makes for a better party. Next was the newsletter. Given that all three associations are in closely-related industries, it seemed that at least half the information in each group's newsletter was pertinent to the other two groups. Cheaper, quicker, and more efficient to publish one newsletter than three, so we tried combining them. It worked. Participation at trade shows? One well-manned display is less expensive than three. It worked.

Occasionally getting three representatives from each Board together to discuss matters of mutual concern instead of trying to glean consensus from 36 individuals? It worked. Asking the AEMA, ARRA, and ISSA Technical Committee Chairmen to stay in touch by email and share the issues facing each group and the initiatives being taken, partnering where feasible? It worked.

Which brings us to the first ever PPRA Fall Meeting. AEMA has frequently conducted a workshop in the Fall, ARRA has always had its Semi-Annual Meeting, and ISSA used to have a Users Conference. Building upon the positive experience of the very successful joint annual meetings, the PPRA representatives discussed the concept with their respective Boards and all agreed to give it a try. It worked.

More than 200 AEMA, ARRA, and ISSA members, consulting engineers, and agency personnel came to downtown Dallas for a combined total of 20 committee or Board meetings, plenty of networking opportunities, and presentations from almost 30 different industry experts. You can take a look at some of the committee reports in this newsletter and

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- FP2 Inc. Update
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- ISSA 2014 Slurry Systems Workshop
- AEMA-ARRA-ISSA 2014 Annual Meeting Registration
- New Members
- Master Calendar of Upcoming Events
- and much, much more!

### A Member's Perspective...

John Irvine, ROADTEC Inc.



Roadtec sees this industry and our association with ARRA as an excellent growth potential for us in the North American market. We belong to ARRA for two reasons; one we are here informed of the cutting edge technologies in all disciplines of ARRA (FDR, Asphalt Milling, CIR, HIR, and Soil Stabilization). Second, it is a business decision to spend time with our customers

and experience their first hand feedback to better accomplish these cost effective technologies efficiently

*Continued on page 13*

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# Notes from Headquarters

It has been a busy time here at Headquarters, and we are looking forward to an equally busy and productive 2014. There is a great deal of good information in this newsletter and you will have an opportunity see what has been happening and what we have to look forward to.



There's an app for that! Well, yes there is. Search for FHWA in the app store on your smartphone or ipad, and get the app for the Pavement Preservation Checklist Series. There are 14 different subjects at your fingertips and it is FREE.



ISSA's Crack Treatment Committee is proud to announce the completion of its "Introduction to Crack Treatment" PowerPoint, going live soon at [www.slurry.org](http://www.slurry.org). It has been reviewed and should be posted soon.

Any questions should be directed to Crack Treatment Committee chairman Bryan Darling, [bryan.darling@crafco.com](mailto:bryan.darling@crafco.com).



## In the Trade Press:

**Asphalt Pavement – November/December 2013** (published by the National Asphalt Pavement Association), Volume 18, Number 6 [AsphaltPavement.org](http://AsphaltPavement.org)

Best Practices for Emulsion Tack Coats, QIP 128 offers guidance and suggestions for selecting tack-coat emulsions, selecting and maintaining associated equipment, and applying tack coats article by Dale S. Decker, P.E. can be found here: <http://www.nxtbook.com/naylor/NAPS/NAPS0613/index.php#/30>



The Winter 2013 Issue of the **Pavement Preservation Journal** (a Publication of FP2 Inc.) is currently available <http://www.fp2.org/pavement-preservation-journal/>.

You are bound to find something of interest between the pages: *NCAT Update: Eventful First Year for NCAT Preservation Group Study, Polymers Boost Performance of Conventional Fog Seals, Rare Double Fog Seal Among Techniques for Oklahoma Road, Florida Puts HIR Plus Virgin Overlay to Work on Tamiami Trail, ARRA, FHWA Sponsor In-Place Recycling Workshop and Demo and Wait Before First Slurry Seal Application.*

**Continued on page 4**

## Pavement Preservation & Recycling Alliance

A partnership of leading industry associations to advance sustainable, eco efficient and innovative pavement applications...



*It has been brought to our attention that some of our members are not receiving emails regarding association events and updates due to the emails being blocked by spam filters and firewalls. We use an e-mailing client service, Constant Contact, and in Issue 2013 #1 on page 28 we provided a few suggestions as to how to ensure you receive our updates in the future. You can find this issue on our websites under "Current Newsletters".*



**Asphalt Emulsion Manufacturers Association**  
www.aema.org

**Asphalt Recycling & Reclaiming Association**  
www.arra.org

**International Slurry Surfacing Association**  
www.slurry.org

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*The Associations do not endorse products, services or manufacturers. Trade or manufacturers' names appear herein solely within context and because they are considered essential to the object of the article or reference.*

**Notes from Headquarters - Continued from page 3**

**Asphalt Contractor – December 2013**

The cover story in this issue is Performing FDR Under Traffic – Blount stabilizes a three-lane asphalt road in Atlanta and you can read it here: <http://www.forconstructionpros.com/magazine/acon/issue/2013/dec>

Same issue, Full-Depth Foam/Lime Slurry Reclamation Can Benefit Texas Roads

And... A Special Report by Lisa Cleaver, Editor – Asphalt Contractor 2014 Industry Forecast, Industry experts predict the year ahead

**Asphalt Contractor – November 2013**

St. Joseph County, IN, Uses HIR to Resurface Its Streets – Gallagher Asphalt helps the county save time & money with urban recycling train an article by Lisa Cleaver

How to Educate a City About Road Work, The city that never sleeps turns to social media to deliver the right message about construction by Jessica Stoikes, Assistant Editor



The December issue of FHWA's FOCUS Magazine is available online at <http://www.fhwa.dot.gov/publications/focus/>



**Transportation Research Board  
93rd Annual Meeting**

**January 12–16, 2014  
Washington, D.C.**

**SAVE THE DATE**

**Turnberry Isle - Miami, meeting registration information beginning on page 45**



## ***AEMA Bids Farewell to former Board Member***

Wilson Christopher

**“Chris” Blake**

**March 22, 1961 - October 29, 2013**

Chris Blake was larger than life. Every aspect of his life was performed at full throttle. He loved his family unconditionally. Everything he did in life stemmed from his devotion to loved ones. He married the love of his life, Amanda Blake, in 1984 and began an incredible 29 year journey. Chris is also survived by his four children – Heidi, Matt, Joe, and Miranda.

Chris approached everything he did with an all or nothing mentality. His philosophy was consistent with “anything worth doing is worth overdoing”. This was clear with his devotion to coaching youth hockey, passion for hunting and fishing, and his professional life. Chris was the fearless leader and CEO of Idaho Asphalt Supply, Inc. His high moral standards, intelligence, and ability to create long lasting loyal relationships were vital in the success of the business. The road to his success was paved through constant hard work both in the office and classroom. Chris earned his MBA at Idaho State University after wrestling for 4 years while completing his undergraduate degree.

He was an avid hunter and fisherman. He loved to spend time outdoors with his wife, kids, and close friends. In the ice arena, he used his fierce and passionate persona to coach and shape young developing players. Chris’ coaching style not only instilled hard work into his players, but it helped mold their character into outstanding young individuals outside of the rink. If you ever run into a player that he coached, you will likely be engaging with a respectful and honest individual.



*Chris Blake and Mike Krissoff in June of 2011 during the June meeting of the AEMA Board of Directors held in Annapolis, Maryland. Chris Blake served on the AEMA Board of Directors 2010 – 2011.*

On Tuesday October 29th, 2013 Chris unexpectedly and tragically passed away in his home from heart failure. He recently overcame all odds and demonstrated extraordinary resilience after surviving a life threatening injury.

Those that were fortunate enough to know him will dearly miss him. He had a positive impact on everyone he encountered. His spirit lives on through his wife, children, and friends. His infectious attitude will be passed on for generations to come.

A memorial service was held on November 6, 2013, at the Trinity United Methodist Church, in Idaho Falls.

# AEMA President's Message

Mark McCollough, Asphalt Materials, Inc.



It is hard to believe that we are already at the end of the season. This is the time that we reflect on the year that has passed and think about the year to come. Overall, I am very optimistic for the future of our industry. The years before us could be our golden age. There are many elements that need to work together to make this a successful time for our industry. A few of them we can influence, for example the next highway bill.

The current highway bill is a two-year bill that will expire next year. The Foundation for Pavement Preservation (FP2) contributed to the success of the current bill. FP2 is partially funded and directed by AEMA, ARRA, and ISSA to advance legislation that forwards the interests of our industry. Building on the success of the current bill we need to work together to educate and influence our house and senate members for the next highway bill, which will be under construction starting in 2014.

This morning I had a meeting with Susan Brooks, the House Representative for Indianapolis, Indiana. She came to visit our Lab in Indianapolis on her way back to Washington DC. With the assistance of Tracy Taylor (Williams and Jensen, legislative consultant to FP2) and often in conjunction with Jim Moulthrop (Executive Director FP2), over the past year I have met with about 25 house members and/or their staff members. Most of the meetings were with their legislative transportation specialists in Washington DC. A few meetings were with the House members themselves. Generally, the meetings were very cordial and they listened to our concerns even though they were very busy. One of the things that concerned me was their lack of knowledge about our industry and the importance of taking care of our infrastructure assets. Only one out of 25 were knowledgeable about our industry and pavement preservation. We have a lot of work to do.

We are still working on our official position for the next highway bill. But I think there are a few things that we are beginning to build a consensus around. First, a longer bill is better. The last bill was only two years, which is better than nothing, but still pretty short. It is better to have bills in the range of six years or so. This allows DOTs and

everyone that depends on them to have more time to plan and longer continuity of funding. This encourages investment. Secondly, the funding mechanism needs to be rethought. The Federal gas tax, in its current form, is becoming obsolete. Future funding needs to keep pace with inflation. The current gas tax has stayed fixed while the buying power of the funds has been decreasing. At the same time miles per gallon performance for vehicles continues to improve which reduces the amount of funds per mile driven and more and more we are seeing vehicles that don't use gas at all. Finally, new technology and development should be encouraged. The last major innovation push in the asphalt road construction industry was the SHRP program and that was over 25 years ago. Quite a bit has changed since then. That was before cell phones and widespread use of the internet. We should imagine a future that incorporates technology. Our official position on the new bill is still developing. We invite you to participate. We are interested in your opinions. Tell us what you think.

I want to encourage all members to seek meetings with our House and Senate members. They need to understand our industry and the importance of pavement preservation to develop relevant and significant legislation. It is not as difficult or as intimidating as you may think. We are entering a time where competition for funding in Washington will become increasing intense. We will need to step up our game if we want to continue to compete for limited funds. Every relationship can help.

With sadness I note that Chris Blake, from Idaho Asphalt, recently passed away. Chris was a member of the AEMA board and approached his board duties with great enthusiasm and energy, just like he approached life. We will miss Chris and his contribution to the industry, our condolences to his family and friends.

We wish you a happy and safe holiday season and look forward to seeing you shortly in Florida for the annual meeting.



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# President's Message

Patrick A. Faster, Gallagher Asphalt Corporation



The frost is on the pumpkin and a good number of us are getting ready to or have already parked our equipment.

For those of you in that category, I hope this past season was fruitful for your efforts and, more importantly, I hope your developmental seeds for the upcoming season are starting to sprout and show some signs of a bumper crop. Good luck to all.

There has been a lot of activity since our last newsletter. The ARRA/FHWA In-Place Recycling Conference held in Chicago this past September has been labeled a success. There were some 130 attendees who participated. After one and a half days of classroom instruction, there was a half day of process demonstration held close by.

We were able to display Hot In-Place, Cold In-Place and Full Depth Reclamation. We were also able to spill over into Pavement Preservation Treatments and covered those roads with a Chip Seal, Micro Surfacing and Cape Seal. I considered these to be truly, outstanding demonstrations. I hope you were able to add this value to your membership in ARRA. It was "priceless" as the saying goes.

I would also like to say thank you again to the Contractors and Sponsors who stepped up and made this possible.

- A.C. Pavement Striping Company
- Dunn Company
- Gallagher Asphalt Corporation
- Micro-Surfacing Inc.
- Rock Solid Stabilization & Reclamation Inc.
- Tri-State Asphalt

Just a few short weeks after that, we found ourselves in Dallas, Texas, at the inaugural PPRA Fall Meeting. Once again, this was another successful meeting with good attendance and a host of good presentations.

FHWA had a good representation at same and that is no accident. Our communications, awareness and relationship I would term with the Feds is as strong as I can ever remember seeing. This is the result of the efforts of many people on either side of the fence.

"Butch Waidelich - good to see you there".

Looking ahead, our upcoming 2014 Annual Meeting is on the horizon. Mark your calendar, February 25 – 28 in Aventura, Florida. At this juncture, airfare is still reasonable, so just reach out and pull the trigger and get yourself involved.

Under the heading of "getting involved", my letter would not be complete without the preaching of organizing one-day recycling seminars in your area. This ongoing recycling awareness opportunity will pay you back ten-fold.

If you would care to discuss or need some help, certainly don't hesitate to give me a call. For that matter, if you have any issues, don't hesitate to call.

On a personal note, which I don't often do, I wish a speedy recovery from surgery for John Rathbun of Cutler Repaving. John and Cutler Repaving have been longtime ARRA members and supporters and very much a skeletal part of our organization as well. John is a close personal friend of mine.

"Speedy recovery there, J.R."

Wishing you all a safe & happy holiday. Hope to see you in Florida.

Best regards, Patrick A. Faster



*Terry Hoesktra, Illinois DOT and ARRA President Patrick Faster at the field demonstration during the 2013 Midwestern States Regional In-Place Recycling Conference. See more on page 30*

*Photograph courtesy of Tom Kuennen, ExpresswaysOnline.com*

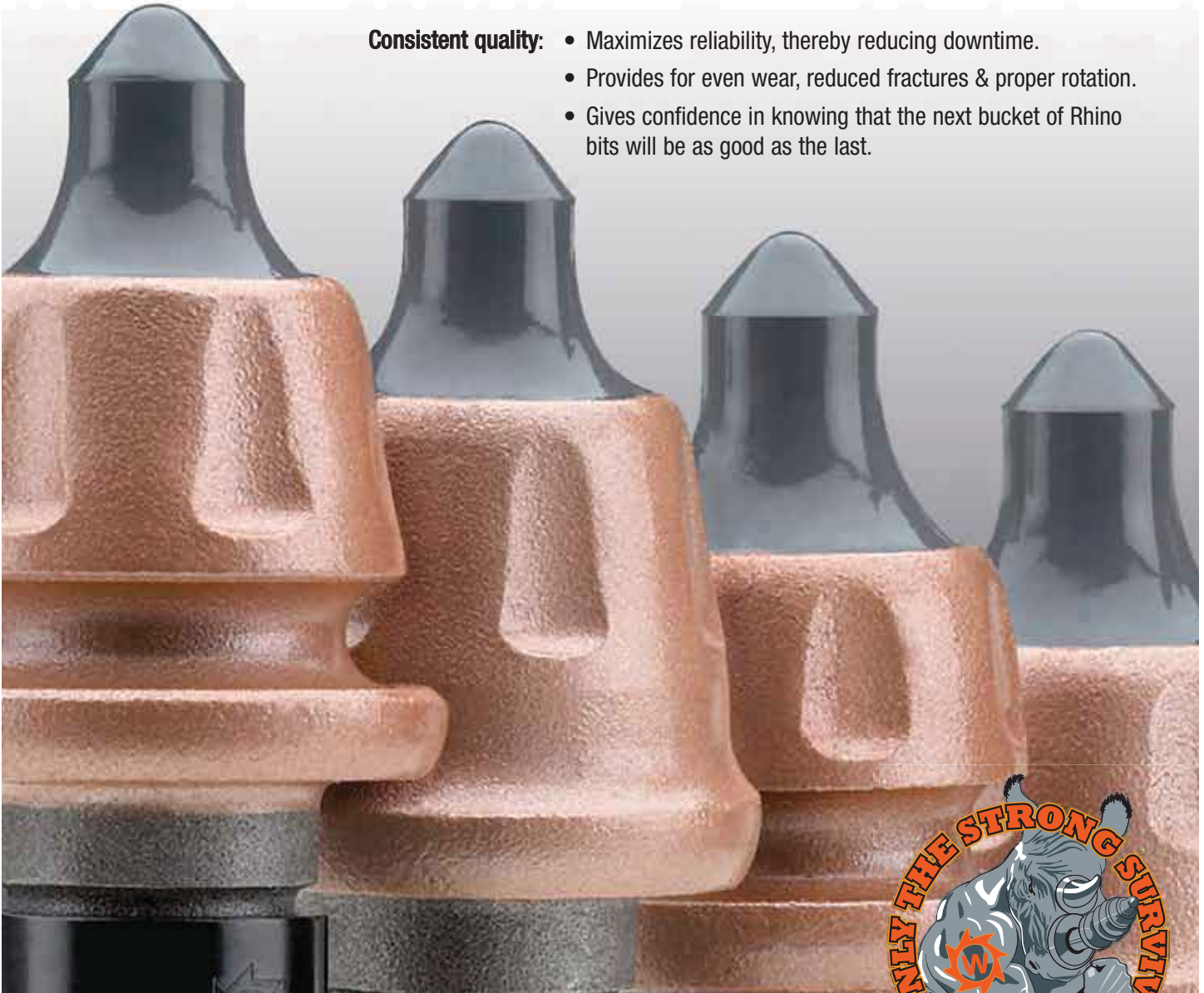


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# ISSA PRESIDENT'S MESSAGE



Christine Deneuvillers, Colas S.A.



Dear Members,

The international economical context is very tough, not just for the US government as we all saw recently, but for every country around the world. This is why pavement preservation is more than ever at the heart of owners' preoccupations. The industry should take that as a fabulous opportunity to propose and design

new, highly efficient products that will help to preserve road assets around the world. Today, we need very high quality products that will restore surface characteristics to roads and prevent cracking and damage linked to the water effects. Those products must be durable and efficient, applied by qualified and well trained teams and implemented with adapted equipment. Safety of people involved is a topic that must be taken into account as well, that of the people involved on the job site and that of users and neighboring residents, too.

ISSA technical Director Bob Jerman is working very hard with the people involved to put together new technical specifications and to carry out review/revisions of all ISSA Technical Bulletins, to assure a high quality level for the techniques ISSA promotes. The last one was the update of ISSA TB No. 145, Methylene Blue Value, after approval regarding TB No. 147, Loaded Wheel Tester. On the other hand, some TBs are to be archived (TB 115 for example). He set up several hours of conference calls to work on that; it is not always easy to reach people because everybody is so busy. A special thanks to Bob and I apologize on behalf of all ISSA members if sometimes you feel lonely! The Slurry/Micro committee is doing a lot (with Rusty Price as leader) to put together new reliable tests to measure cohesion in the field. An excellent power point to be used on the ISSA website is being designed by Bryan Darling regarding Crack Treatment, and a guideline for ISSA Chip Seal is being reviewed (thank you to Ben Vagher). During the last Board meeting, it was proposed to include video with Technical Bulletins. Still on the subject of technical staff at a global level, a letter was sent to FP2 to encourage dialogue between ISSA and FP2 including ISSA participation in the area of technology specifications. We are sure that an efficient collaboration will help meet the needs and expectations of the end users of the techniques we promote.

For the international context, all of the actors are involved and concerned. That is what we'll see during the next international scale meeting in 2015. Mike Krissoff is doing a good job with the executive directors of the other

association partners to prepare the "Pavement Preservation & Recycling Summit" that will be held in Paris in 2015. Don't forget to save the date of February 22-25 on your schedule.

The PPRA Fall meeting in November welcomed many people from the industry and from the agencies, and ISSA is pleased to participate. This was a very good opportunity for committee meetings and to progress in all the topics that have been identified during our Strategic planning meeting in June. They are all very important and a lot of work has been done:

1. coordination with NCPP/FP<sup>2</sup> (Rusty Price)
2. FHWA training packs (Larry Tomkins)
3. assistance to contractors in planning and providing local training (Rex Eberly)
4. Design software to help implement ISSA techniques (Larry and Howie Snyder) à chip seal calculator, Slurry/Micro calibration
5. Promote through You tube Channel (Larry and Howie Snyder) à first tutorial Video: the WTAT (TB100)
6. Set up proactive calls for press and web articles (Howie)

One word regarding the ISSA/FHWA WBT Phase 1 (3 modules) that was launched mid 2013:

- **How to Construct High Quality Slurry Seal and Micro Surfacing Treatments - Part 1**  
<http://issa.adobeconnect.com/slurrysealmicrosurfacing1/event/registration.html>
- **How to Construct a High Quality Slurry Seal and Micro Surfacing Project - Part 2**  
<http://issa.adobeconnect.com/slurrysealmicrosurfacing2/event/registration.html>
- **How to Construct High Quality Chip Seal Treatments**  
<http://issa.adobeconnect.com/chipseal/treatments/event/registration.html>

At the end of September, around 300 new and returning users viewed the Chip Seal and Slurry/Micro WBT (80% for Slurry/Micro and 20% for Chip Seals). About 60% of the users are from agencies. That was our goal and that's very good result. As decided during the June board meeting, a request has been submitted to FHWA to update the WBT Phase 1. A plan for designing and launching a WBT 2 has been set up: Slurry/Micro Spreader Boxes principles and Crack Treating Best Practices. Bryan Price and Scott

Bergkamp have volunteered to be SMEs (subject matter experts) for Phase 2 and we need a few more volunteers - don't be shy and let us know if you would like to be involved. I would like to thanks Larry Tomkins who is doing a very good job of chairing the ISSA Technical Marketing Committee.

Pending FHWA approval of the update to Phase 1 and the production of Phase 2, we are already thinking about a Phase 3 regarding Safety during operations.

As you can see a lot has been done so far but we have still a lot on our plate. One thing I can say is how motivated and committed the ISSA Board members and ISSA members are. It's a true pleasure to work in such a positive, focused atmosphere. Let's keep on paving the way forward, together.

Warm regards,  
Christine Deneuillers



PAVEMENT PRESERVATION & RECYCLING SUMMIT

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# PPRS PARIS 2015

Save the date!

February 22<sup>nd</sup> - 25<sup>th</sup>, 2015

Palais des Congrès - Paris



ibef.net      aema.org      arra.org      slurry.org      ppralliance.org      fp2.org

**PPRA Fall Meeting – It worked - Continued from page 1**

you can access the presentations on the AEMA, ARRA, and ISSA websites. It is no secret that the real work gets done in the technical committee meetings. It is also no secret that all committee members are volunteers, time is tight during the year, and email communications can only go so far in making things happen. The PPRA Fall Meeting gave all committees another opportunity to meet face-to-face, with sleeves rolled up, and get to work. AEMA and ISSA are re-vamping their strategic plans, ARRA is re-reviewing all details as it gets ready to launch its new *Basic Asphalt Recycling Manual*, AEMA is re-writing its *Recommended Performance Guidelines for Asphalt Emulsions* and reviewing all methods and specifications coming from the Emulsion Task Group, ARRA is reviewing TCCC & NHI recycling courses, and ISSA has approved the posting of a brand new Crack Treating PowerPoint on its website, drafted plans for two Phase Two web-based training modules on Crack Treating and Spreader Box Principles, and devoting a lot of effort in the matters of testing and training. This brief report doesn't do justice to the amount of work being done; we urge interested members and others to contact the appropriate committee chairman to make your voice heard.

And the speakers, wow! TxDOT Deputy Executive Director John Barton and FHWA Associate Administrator of the Office of Infrastructure Butch Waidelich opened the meeting and set the stage for a busload of experts addressing the pavement preservation sections on the NCAT Test Track, HIR for urban pavement preservation, fibers and polymers in pavement preservation, grade & slope controls for cold planers, mix designs, performance of surface treatments over CIR & FDR, soil modification, and much more. Program co-chairs Archie Reynolds (AEMA, Norjohn), Ryan Essex (ARRA, Miller Paving), and Rex Eberly (ISSA, Strawser) outdid themselves in assembling a line-up of topics truly representative of the combined interests of the AEMA-ARRA-ISSA audience.

The 2013 PPRA Fall Meeting. Did it work? Just listen to some of these comments.....

*"The first annual PPRA Meeting in Dallas provided a great opportunity to interact with pavement preservation leaders from across our industry. The exchanges in board and committee meetings, the presentations, and the "live" interaction with colleagues from multiple industry disciplines offered insight that provided technical solutions as well as business growth opportunities. We look forward to participating again in 2014." – Bob Jerman, Director, Technical Service, MWV Asphalt Innovations*

*"The PPRA workshop underscored the fact that the combined knowledge of the AEMA/ISSA/ARRA membership is unparalleled. As roadway funding levels continue to decline*

*in terms of real dollars, we can all appreciate that Pavement Preservation and Pavement Recycling are no longer simply options but much closer to requirements. Both under the banner of PPRA and in their distinctly separate functions, AEMA/ISSA/ARRA continue to make progress towards their common goal of educating those responsible for maintaining our most vital asset, the transportation system." – Mark Ishee, Vice President, Ergon Asphalt & Emulsions, Inc.*

*"Coughlin Company has seen great benefits as a result of our association with ARRA. In attending conferences, we have been able to stay informed on new trends in the asphalt recycling and reclaiming industry. We are able to stay ahead of the game and implement new strategies and lead out with the latest equipment to keep our productions high and our customers pleased. We have found great benefit in meeting and associating with our peers." – Darren Coughlin, President, Coughlin Company, Inc.*

*"I belong to ISSA based on the value I see from gaining industry knowledge working with others within the ISSA membership. As with any organization being involved is critical to any benefit I have as a member. I also am of the opinion that ISSA does shape the movement of the industry by providing information to the agencies who provide the slurry seal projects and contractors who do the work. In review of all the success ISSA has driven on gaining market share resulting in more projects for all of us as contractors I see benefits to belonging to the organization. My membership in ISSA has provided my company access to people, companies and agencies I would not have been able to have access as an individual company." – Eric Reimschiessel, President Manager, American Pavement Preservation*

It worked.

Mark your calendars now for the next PPRA Fall Meeting, November 17 – 19, 2014, at the Hyatt Regency in Baltimore, MD. Meanwhile, please contact any Board member, committee chair, or the headquarters office with your input, concerns, or questions. All three groups have plenty of ways for you to get involved; just let us know you're interested.



**Following is a list of all presentations offered at the 2013 PPRA Fall Meeting, all posted on the AEMA, ARRA, and ISSA websites.**

**Welcome**

John Barton, P.E., Texas Department of Transportation

**FHWA Update**

Butch Waidelich, FHWA Office of Infrastructure

**An Introduction to Asphalt Emulsions**

Alan James, Akzo Nobel Surface Chemistry

**PPRA Processes at the NCAT Pavement Test Track**

Buzz Powell, NCAT / Auburn University

**Emulsions for Pavement Preservation Materials**

Iain Jack, Heartland Asphalt Materials

**ABC's of In-Place Recycling**

Dr. Stephen Cross, ARRA

**In-Place Recycling - What to use and Where?**

Trevor Moore, Miller Paving

**Cold Planing and Micro Milling**

Tom Chastain, Wirtgen America

**Introduction to Slurry & Micro Systems**

David Stroud, Ergon Asphalt & Emulsions  
Dan Welsh, Viking Construction

**Pavement Asset: Statewide Perspective**

Brian Huntsinger, TXDOT

**Poor Soils - How Soil Modification/Stabilization Can Help**

Terry McCleary, McCleary Engineering

**Next Generation of Distributors**

Brian Horner, E.D. Etnyre

**Technical Advances in Chip Seal Spreaders**

Brian Horner, E.D. Etnyre

**Hot-In-Place-Recycling; A Valuable Tool For Urban Pavement Preservation**

Pat Kennedy, City and County of Denver

**The Benefits of Polymers in Pavement Preservation Applications**

Arlis Kadrmas, BASF Corp.

**Fibers in Pavement Preservation**

Rich Wenthe, MWV Asphalt Innovations

**Controlling Quality - What Matters for Performance of In-Place Recycling**

Don Matthews, Pavement Recycling, Inc.

**ISSA Inspectors Manual Review**

Rex Eberly, Strawser Construction, Inc.

**Chip Seals / Two Course Surface Treatments, Best Practices**

Bill O'Leary, General Liquids Canada

**In-Place Recycling Meets The Demands of DOT and Local Programs in The 21st Century.**

Lee Gallivan, FHWA

**Technology in Grade & Slope Controls for Cold Planers**

John Guzman, Caterpillar Paving Products

**Need for Mix Design & Performance Criteria**

Tom Flowers, Ergon Asphalt & Emulsions, Inc.

**Factors Affecting Mix Design Method**

Joe Brandenburg, Asphalt Materials, Inc.

**Trackless Tack Coat**

Grover Allen, Blacklidge Emulsions, Inc.

**Performance of Surface Treatments over CIR and FDR**

Todd Thomas, Colas Solutions, Inc.

**Educational Opportunites Available Through ISSA**

Chuck Ingram, Slurry Pavers, Inc.

**A Member's Perspective - Continued from page 1**

and to the quality standards set forth by their specifiers. We get education on testing and "tried and true practices" that are being utilized around North America in real-time. We see a growing ARRA membership of new specifying agencies that want to learn and share their own experiences. With this, we see a growing membership of contractors that want to be with these specifying agencies (their customers) to better serve them. Whenever ARRA is meeting, we couldn't be in a better place to reach our customer base! Recently I sat at an ARRA luncheon and realized we had not been doing business with any of the companies seated at our table 5 years ago. Now Roadtec had 5 new customers at our

luncheon table and the active effort we have been putting into ARRA was proving very rewarding. Regarding ARRA membership Patrick FASTER (current ARRA President) says, "you get out, what you put in". This has proven true for us. Our partnership with ISSA and AEMA through the PPRA Alliance also allows us the glimpse we desire to watch what the emulsion and slurry seal industries are accomplishing and share marketing, promotional ideas, and costs to get jobs specified at local levels. Isn't that the goal? Besides, we have made many new friends and have a lot of fun doing it.

# NCAT

Stay informed. Keep up to date with the National Center for Asphalt Technology at Auburn University at [www.ncat.us](http://www.ncat.us) and also the NCAT pavement test track at [www.pavetrack.com](http://www.pavetrack.com)

The screenshot shows the website interface for the NCAT Pavement Test Track. At the top, there are logos for the National Center for Asphalt Technology (NCAT) and the Pavement Analysis and Verification Experiment (PAVE). A navigation menu includes links for Home, Economic, Information, Construction, Trucks, and Performance. Below the menu, there are three main sections: a weather widget for Opelika, AL (61°F), an aerial view of the 309-acre test track, and a list of news articles. The news articles include updates on the 2012 research cycle, the installation of a high-speed data transfer system, and the start of trucking operations on the test track.



Look for the NCAT Newsletter here:

[http://issuu.com/auburn\\_eng\\_mag/docs/newsletter](http://issuu.com/auburn_eng_mag/docs/newsletter)

# Joint Failure is Preventable

The National Center for Asphalt Technology (NCAT) study\* on longitudinal joints has determined that Crafcro Pavement Joint Adhesive is the winner for reducing longitudinal joint cracks and joint failure over all other joint sealant products and techniques tested.

Minnesota Transportation Board research report



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# PPRA Fall Meeting – Committee Reports

The following committee reports are presented as received from the respective chairman.

## AEMA International Technical Committee

Mike Hemsley, Chairman

1) The ITC is creating a series of documents to help with issues that some members are having with agencies and how they are treating samples. The sampling issues range from sample containers, point of sampling to duration between sampling and how to ensure a representative sample is obtained from the sample container. A few Technical Committee members are creating the initial “Sampling and Handling” document and then will draft a form letter that member agencies will be able to use to send to an agency about the treatment and accuracy of data collected from bad sampling procedures.

Status: A deliverables date is set for Feb 2014

2) The ITC has been working on getting a more up to date and involved Technical Committee organized. The ITC has received many updated member representatives and we are working at getting them organized and put to work in the ITC. I have a current active membership list and we will be using this list for upcoming work. We are constantly working on keeping the list up to date. If a change has occurred with any member companies representative, please send Lisa Cerone or Mike Hemsley your updated representative.

Status: Ongoing

3) The ITC undertook the rewriting of the Recommended Performance Guidelines. We have made significant progress in this rewrite. We are working hard on the remaining chapters that we felt needed a little more substance. The assignments have been made and I am receiving corrections daily.

Status: A deliverables date is set for Feb 2014

4) The ITC is working with volunteers to form Round Robin Groups. Arlis Kadrmas and Kevin McGlumphy are working to organize the groups and prioritize the list of tests and specifications that are to be reviewed. We are forming the membership into 3 categories based on volunteers and will begin to evaluate the emulsions under the new methods soon.

Status: Ongoing

5) Self Certification – I am working on a new poll to give to the state DOT’s on self certification to help put limits around the current practices for the DOT’s that do allow self certification. This is an effort to push the FHWA towards adopting a national standard.

Status: Ongoing

6) Additional Items suggested by the BOD – Education. We are working with several member representatives on organizing the following:

- Converting / Organizing the AI / AEMA Train the Trainers presentations into a lecture(s)
- Potentially obtaining some current lectures used by a University on Asphalt Emulsions and Pavement Preservation.

Status: Ongoing

## ARRA Cold Planing

Tom Chastain, Chairman

- Review BARM
- Indiana sand patch test documentation
- Eric Baker will secure an example of a sand patch test
- Photos updated thru process of elimination
- Check with other groups on pocket guides
- Consider separate meeting times-some contractors and manufacturers want to have opp. to go to multiple meetings.
- Review FDR spec booklet
- Send list of potential ARRA members
- Put information out there for contractors to learn more about milling

## ARRA Cold Recycling

Trevor Moore, Chairman

- 1) Selected winner of Excellence in Cold Recycling award.
- 2) Wish list –
  - I) Complete Best Practices Guide, we already have Compaction Best Practices and Project Selection Guide but needs to be completed. Construction Best Practices needs to be developed
  - II) Condition Manual to rate CIR pavements after construction – agencies revert back to appearance of HMA for acceptance purposes
  - III) Development of performance criteria for performance specifications
  - IV) Collection of research library – once was a TRC initiative taken to the board, what is status?



- v) FHWA support program to provide funds to states wanting to perform CIR. Funds to be for candidate selection and QA testing to ensure success.
  - vi) FHWA to ensure CIR, gradation, core thickness, AC content, penetration to be included in CIR contracts.
- 3) Keep OCP Testing in CR201 but leave as separate section with qualification stating that this testing be performed by agency prior to letting contract.

**ACTION PLAN/COMMITTEE ASSIGNMENTS:**

- 1) CIR Checklist Subcommittee to provide suggestions for revision by November 29
- 2) BARM Subcommittee made revisions to draft copies, copies to be supplied to Steve Cross

**ARRA Full Depth Reclamation/Soil Stabilization**  
Kimbel Stokes, Chairman

---

- Reviewed CORE Executive Committee meeting
- Everyday Counts - FHWA
- Promotion wish list
- BARM is in process, FDR is the last revision (January deadline, published 90 days after). All revisions or input will have to be participated through email.
- FDR 101, 102, 103 Review from board
  - All board recommendations were reviewed, discussed, accepted, or rejected per Kimbel's notes.
  - Bituminous was approved per Kimbel's notes - marked up copy (unanimous) Cementitious was approved per Kimbel's notes - marked up copy (unanimous) LKD was approved per Kimbel's notes - marked up copy (unanimous)
- Lee Gallivan - FHWA
  - Need to promote the FDR Checklist – post on ARRA website.
  - Everyday Counts: In-Place Recycling has moved up on the list
  - Needs more ideas on how to better promote our technologies
- Dr. Cross is writing Pre-construction Sampling and Mix Design guidelines & QA sampling and testing guidelines...
  - 201, 202, 203
  - 301, 302, 303

No one volunteered to join the web based training task force.

Stan Bland – spoke to structural coefficient & low bid scenarios

**ARRA Hot In-Place Recycling**  
Pat Faster, Chairman

---

No Report

**ISSA Chip Seal**  
Ben Vagher, Chairman

---

No Report

**ISSA Crack Treatment**  
Bryan Darling, Chairman

---

Darling will make a couple of final changes to the crack treatment powerpoint for the ISSA website, and submit to ISSA Board and Technical Director Bob Jerman for final approval.

Next task is to develop a Crack Treatment Inspectors Manual, to follow the format of the Slurry Systems Inspectors Manual.

**ISSA Slurry/Micro**  
Rusty Price, Chairman

---

No Report

**ISSA Slurry Systems Workshop Committee**  
Rex Eberly, Chairman

---

- Finalized program and schedule details for 2014 SSWS



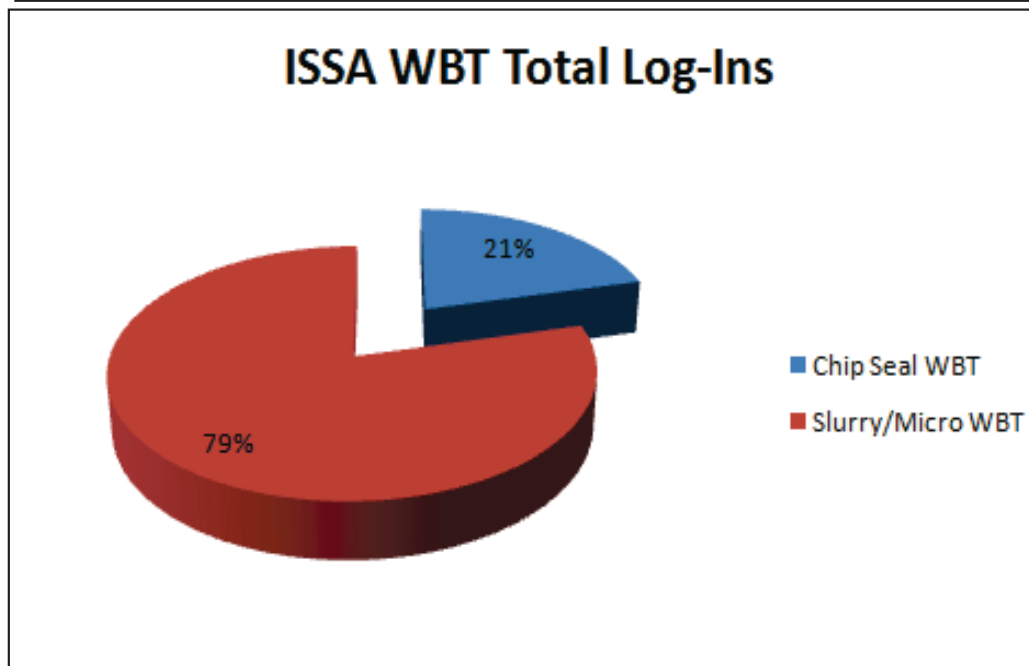
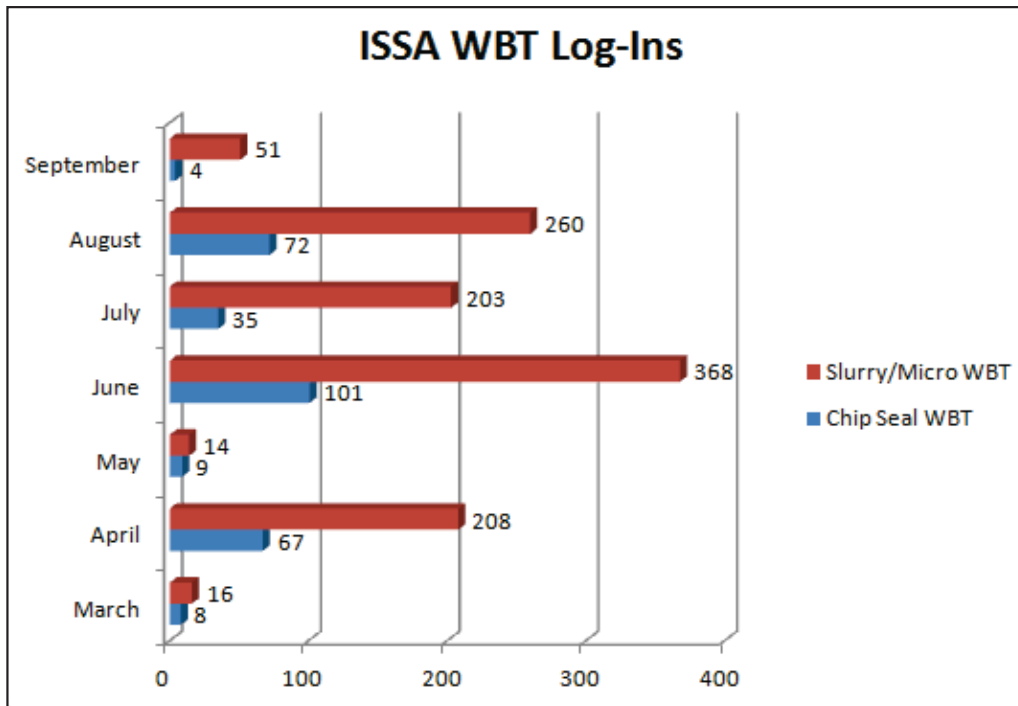
# ISSA Technical Marketing Committee

Larry Tomkins, Chairman

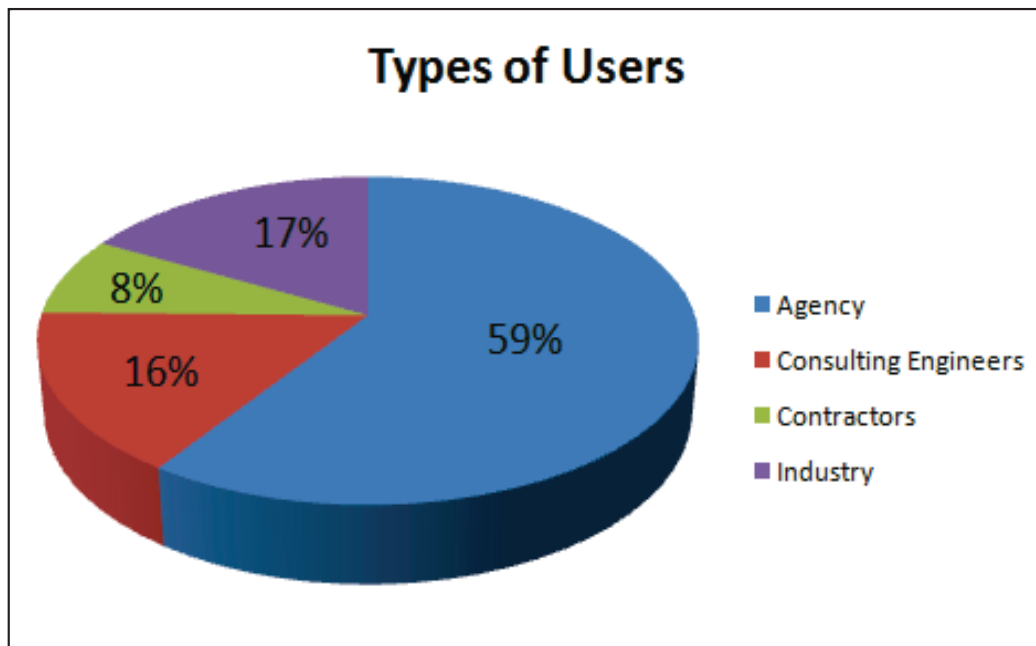
## Activity Report

### Web Based Training (WBT)

- Phase 1 WBT
  - We have had around 300 new and returning users view the Chip Seal and Slurry/Micro WBTs since March. We also have numbers on how many times users logged into the WBTs per month. The graphs below show these comparisons by WBT.



- In addition to the above graphs, we are trying to keep up with the type of users that are viewing the WBTs, i.e., agencies, industry, contractors, etc. The graph below shows how this breaks out currently.



- A written request has been submitted to FHWA for a Phase One update. The letter is attached to this report detailing the budget for the update. We believe that this request will be approved by the FHWA based on the discussions we have had with them.
- Phase 2 WBTs
  - Outlines were obtained for the possible Phase 2 WBT topics, Slurry/Micro Spreader Box Principles and Crack Sealing Best Practices
  - Bryan Price of Crafcro (crack sealing) and Scott Bergkamp of Bergkamp, Inc. (spreader box) have volunteered to be the SME's for Phase 2
  - Attached to this report is the letter that has been submitted by Krisoff and Associates that details the proposed outline of each course and the budget. We wanted to submit the letter in order for us to get us in line for a Phase 2 pending final approval from the Board. This gives us a head start.

**Chip Seal Calculator**

- A new chip seal calculator has been developed for the website. The calculator details are as follows:
  - The design method is based on the McLeod method
  - A user is able to find a “starting point” on application rates for binder and aggregate.
  - A user is able to print a gradation curve of the aggregate.

*Continued on page 20*

**ISSA Technical Marketing Committee Activity Report - Continued from page 19**

- The program automatically finds the median particle size of the gradation. This has normally been done by hand but is now done by an interpolation formula in Excel.
- Next steps
  - Evaluate the program to fix bugs
  - Develop adjustments for hot applied chip seals
  - Create possible additional spreadsheets for other design methods
  - Obtain input from Chip Seal Committee and others in the industry
  - Completion date goal: January 31<sup>st</sup>, 2014

**Slurry/Micro Calibration Forms**

- Slurry/Micro calibration forms were developed for the website. The details are as follows:
  - Based on the forms in the ISSA Inspector's Manual
  - Most calculations have now been automated including automatically drawing the aggregate graph
  - The summary sheet automatically interpolates the gate setting based on dry aggregate count and emulsion content
- Next steps
  - Develop additional calibration sheets for VSS and CPM machines
  - Evaluate the program to fix bugs
  - Obtain input from Slurry/Micro Committee and others in the industry to improve the program
  - Completion date goal: January 31<sup>st</sup>, 2014

**Mix Design Video Tutorial**

- At the strategic planning meeting in June, a concept was discussed on using YouTube to educate more people on how you perform some of the mix design tests for slurry and micro.
- It was decided that the first tutorial video to be developed was the wet track abrasion test (TB-100).
- With the help of Mike Hemsley at Paragon, Mike and I came up with an outline of how the video would be shot and we used a video that the Oklahoma DOT had developed on the sand equivalency test as a guide for the format.
- Video was shot mid September and a narration script was developed a couple weeks later.
- We are now in the middle of editing the video but should have a rough draft in time for the PPRA meeting.



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*ARRA Immediate Past President Billy Garrity, Garry Asphalt Reclaiming Inc.; ARRA President Patrick Faster, Gallagher Asphalt Corporation*



*Darren Coughlin, Coughlin Company; Trevor Moore, The Miller Group, Inc.; Don Matthews, Pavement Recycling Systems, Inc.; Chuck Valentine, Sandvik MGT Construction Tools*



*Dave Welborn, MWV; Tom Flowers and Ron Matteson, Ergon Asphalt & Emulsions Inc.*



*Bucky Brooks, Asphalt Materials, Inc.; Scott Bergkamp, Bergkamp, Inc. and Mark McCollough, Asphalt Materials, Inc.*



*Etienne Le Bouteiller, Colas S.A. and Todd Thomas, Colas Solutions, Inc.*



*Eric Tulk and Brittany Blackledge, Blackledge Emulsions*

# PPRA Fall Meeting Album

November 11 - 13, 2014  
Dallas, Texas



*Jeff Gustafson, Superior Tire and Rubbler Corporation*



*Joseph Leidy and Carmen Inglehart, Texas Department of Transportation*



*Morgan Kessler and Jason Harrington, Federal Highway Administration*



*Dennis Munks, The Sollami Company*



*Rob Hannon, Volvo Construction Equipment*



*John Barton, Deputy Executive Director, Texas Department of Transportation*



*Walter "Butch" Waidelich, Director of Field Services - West, Federal Highway Administration*



*ISSA President Christine Deneuvillers, Colas S.A.*



*Alan James, Akzo Nobel Surface Chemistry*



*ARRA Technical Director Stephen Cross, Ph.D., Oklahoma State University*



*Trevor Moore, Miller Paving*





Tom Chastain, Wirtgen America



Dan Welsh, Viking Construction



David Stroud, Ergon Asphalt & Emulsions, Inc.



Bob Jerman, MWV; Diane Franseen, H.G. Meigs, LLC and Todd Weist, Tri-State Asphalt, LLC



John Irvine, ROADTEC, Inc.; John Guzman, Caterpillar Paving Products, Inc. That is Tom Flowers, Ergon Asphalt & Emulsions, Inc. in the background.

Find more photographs from the PPRA Fall Meeting on the PPRA Facebook page at:

<http://www.facebook.com/PPRA.social>

Visit the page and don't forget to "Like" us!



# PPRA Fall Meeting - Sponsors

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# Alaska Asphalt Pavement Summit 2013

Alaska Department of Transportation & Public Facilities/AAPA



ARRA's Technical Review Committee Chairman, Todd Thomas (Colas Solutions Inc.) recently represented ARRA when he participated in the Alaska Asphalt Pavement Summit, organized by the Alaska Department of Transportation and Public Facilities and the Alaska Asphalt Paving Alliance (AAPA), this event provided interested parties with an opportunity to present and discuss current issues and review new techniques in the world of asphalt materials and paving.

recycling, construction best practices including longitudinal joints, intelligent compaction. Coverage included aviation and highway paving/materials issues.

This training class was aimed toward Federal, State, and local transportation agencies, consultants, contractors, producers and others involved in the planning, design, construction, maintenance and review of asphalt pavement projects.

Also on the program were Greg Sharp, representing ISSA and Brad Grose representing AEMA.

Presentations will be posted soon at:

[http://www.dot.state.ak.us/stwddes/research/pavement\\_summit.shtml](http://www.dot.state.ak.us/stwddes/research/pavement_summit.shtml)



During the 1.5-day Summit, speakers gave presentations on aviation and highways topics such as pavement/materials research, pavement preservation, maintenance, rehabilitation,

2013 Alaska Asphalt Pavement Summit		Registration info posted at:	
Hilton Anchorage		<a href="http://dot.alaska.ecatts.com/lmsTrainingCalendar">http://dot.alaska.ecatts.com/lmsTrainingCalendar</a>	
Summit Program			
Day 1: Monday, 18-Nov-13		Presentation	By
No.	11:30 - 12:00	Registration / Sign In	
	12:00 - 12:15	Opening Statements / Welcome Notes	Mike San Angelo, DOT&PF; Kim Rice, Dep. Commissioner, DOT&PF
1	12:15 - 12:30	Alaska University Transportation Center Update	Billy Connor, AUTC
2	12:30 - 13:15	Overview of the National Center for Pavement Preservation	Larry Galehouse, NCPP
3	13:15 - 14:00	Pavement Preservation for Highways and Airports	Larry Galehouse, NCPP
	14:00 - 14:15	<b>BREAK</b>	
4	14:15 - 15:00	Pavement Maintenance Techniques for Highways and Airports	Greg Sharp, ISSA
5	15:00 - 15:45	Preserving Asphalt Pavements using Thin Film Surface Treatment Technologies	Brad Grose, AEMA
6	15:45 - 16:30	An Introduction to Modified Asphalt Binders	Chris Lubbers, AMAP
	16:30 - 19:00	Hospitality event(no host bar): Hors D'Oeuvres provided by Paving Industry Sponsors	
Day 2: Tuesday, 19-Nov-13			
	7:30 - 8:00	Registration / Sign In	
7	8:00 - 8:40	Comparisons of Emulsion, Foamed, and Cement Treated Bases	Todd Thomas, ARRA
8	8:40 - 9:20	Cold Central Plant Recycling - Paving with 100% RAP Mix	Brad Neitzke, WFLHD-FHWA
9	9:20 - 10:00	Northern Region's Experiences with Material Transfer Vehicles	Andrew Schultz, David Arvey, DOT&PF; Kelly Painter, GNI
	10:00 - 10:15	<b>BREAK</b>	
10	10:15 - 11:05	Anchoarge's Dimond Blvd Paving using Hard Aggregate	Jason Lamoreaux, DOT&PF; Josh Hart, Granite Construction
11	11:05 - 12:00	Sitka Airport Paving using Intelligent Compaction	Bruce Brunette, DOT&PF; Amanda Gilliland, Knik Construction
	12:00 - 1:30 pm	<b>LUNCH (on your own)</b>	
12	1:30 - 14:15	Airfield Asphalt Pavements: Materials & Mix Design	John Duval, Pavement Services Inc.
13	14:15 - 15:00	Airfield Asphalt Pavement Construction, Preservation, Maintenance	John Duval, Pavement Services Inc.
	15:00-15:15	<b>BREAK</b>	
14	15:15 - 16:00	Reclaimed Asphalt Pavement: State-of-the-Practice	David Johnson, The Asphalt Institute
15	16:00 - 16:45	Longitudinal Joint Construction	David Johnson, The Asphalt Institute

## Spread the Word

Members, if you have been involved with an activity designed to promote and/or educate our industry, please let us know! Contact Mike Krissoff - [krissoff@krissoff.org](mailto:krissoff@krissoff.org) or call Headquarters (410-267-0023). We want to give you credit for your efforts and at the same time, encourage others to follow your example.

# The ARRA Booth made an appearance at the Illinois Association of County Engineers



*This was the final set-up for the ARRA booth as it was displayed at the Fall Meeting for the IL Association of County Engineers (IACE) on October 10, 2013*



*BEFORE - This is an example of a road that has a non-uniform base with softer material. The road is failing under the load of traffic.*

*AFTER - This shows the same materials stabilized (mixed together) that yielded a stronger road that supports the same load that caused the non-stabilized road to fail.*

*ARRA Affiliate Member Chair, Stephanie Drain (S. Drain Engineering of IL, LLC) prepared the "sweet" little demo of a non-stabilized road base vs a stabilized road base.*

# 2013 Midwestern States Regional In-Place Recycling Conference Schaumburg, Illinois

## Field Trip HIR



## CIR



*\*Photographs submitted by Tom Kuennen, ExpresswaysOnline.com*

**The following presentations from the conference are available in either video or pdf format through the link below:**

<http://www.pavementpreservation.org/conferences/regional-in-place-recycling-conferences/2013-midwestern-states-in-place-recycling-conference/>

Welcome to Illinois  
Steve Mueller, FHWA

ARRA Welcome  
Pat FASTER, Gallagher Asphalt

FHWA Welcome  
Glenn Fulkerson, FHWA

FHWA Initiatives in Sustainability  
Butch Wlaschin, FHWA

Benefit of In-Place Recycling to State Highway Programs  
Jim Pappas, Delaware DOT

In-Place Recycling on Illinois DOT and BLRS Roadways  
Kevin Burke, LaDonna Rowden, Kyle Videgar - Illinois DOT, Bureau of Local Roads & Streets

Bureau of Local Roads & Streets: In-Place Recycling Policy & Specifications (powerpoint only)  
Bureau of Local Roads & Streets

NHI Training Course on In-Place Recycling  
Tim Aschenbrener, FHWA

Seven Steps of Implementing In-Place Recycling by Public Agencies  
Tim Aschenbrener, FHWA

Cook County - In-Place Recycling Activities  
Paulino Leyva, Cook County

State Presentations: Oklahoma DOT  
Taylor Henderson, Oklahoma DOT

State Presentations: Montana DOT  
Jason Sorenson, Montana DOT

State Presentations: Manitoba  
Tara Liske and Larry Halayko, Manitoba

State Presentations: Nebraska DOT  
Andy Dearmont, Nebraska DOT

State Presentations: Iowa DOT  
Jason Klemme and Newman Abuissa, Iowa DOT

MoDOT - Roadway Reclaim Projects due to Birds Point Floodway Damages  
Todd Miller, Missouri DOT

Mix Design for CIR and FDR - Coaching Our Way to Success  
Stephanie Drain, S. Drain Engineering

History, Performance and Benefits of CIR  
Steve Cross, ARRA

Full Depth Reclamation (FDR) Overview  
Todd Thomas, Colas Solutions, Inc.

Hot In-Place Recycling in Mequon, WI  
William Hoppe, City of Mequon, WI

Implementing a CIR Project - Creating a CIR Program  
Chuck Valentine, Sandvik

Cold In-Place Recycling - Project Selection  
Kevin McGlumphy, Road Science

Full Depth Recycling - A Contractors Perspective  
Tom Johnson, Midstates Reclamation

Hot In-Place Recycling Overview  
John Rathbun, Cutler Repaving

2013 BARM Updates and Design Considerations  
Lee Gallivan, FHWA

Development of ARRA Specification Guidelines and Field Inspector Guidelines  
Steve Cross, ARRA

Lessons Learned: How States Will Implement In-Place Recycling  
Moderated by Brian Pfeifer, States DOTs

Conclusion, Summary and Adjournment  
Steve Mueller and Lee Gallivan, FHWA

Field Trip Recycling Demonstrations

## FDR



## Micro-Surfacing



# Update – Silica/Asphalt Milling Machine Partnership

From the National Asphalt Pavement Association (NAPA)

The Asphalt/Milling Machine Partnership is currently focused on four major opportunities:

- Response to the current OSHA notice of proposed rulemaking regarding silica standards by the January 27<sup>th</sup> deadline.
- Submittal of notice of intent and organization of a panel comprised of labor, equipment manufacturer, and contractor representatives to present the Partnership response to proposed rulemaking during a March 18<sup>th</sup>, 2014 public hearing in Washington, D.C.
- Working with NIOSH to complete their proposed guidance for engineering controls and best practices to reduce respirable silica dust from half lane and larger asphalt milling machines.

- Completion of development and field testing of engineering controls for reduction of silica bearing dust on remaining milling machines.

On November 20<sup>th</sup> representatives of the machine manufacturers, contractors and labor came together at the NAPA office to develop a framework and action plan for the response to proposed OSHA rulemaking. The group was joined by John Keating, NAPA Chairman and Mike Acott president of NAPA who thanked the Partnership for the 10 years of hard work and reinforced the criticality of positioning this Industry for strength and success going forward. The group is continuing to address the above opportunities in an orderly and timely manner under the leadership of Tony Bodway, long standing Chairman of the Partnership and Operations Manager for Payne & Dolan.




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## Asphalt Industry Positioned to Meet OSHA's Proposed Silica Standard Rule

From Asphalt Contractor Magazine, October 2013

Decades in the making, the Occupational Safety and Health Administration (OSHA) released a proposed permissible exposure level (PEL) for silica dust. The proposed level is more stringent than the agency's current regulations, but thanks to the work of the Silica/Milling Machine Partnership, the asphalt industry is positioned to meet the new standard.

The proposed PEL for silica dust is now set at 50 micrograms of respirable crystalline silica per cubic meter of air (50 &mu;g/m<sup>3</sup>). This is consistent with the National Institute for Occupational Safety and Health's (NIOSH) current recommended exposure level (REL) for silica, and will provide greater protection for those who work with materials that cause silica exposure. Silica, a known carcinogen, is also known to cause silicosis, a restrictive lung disease. For the asphalt pavement industry, dust from roadway milling operations is the greatest potential source of silica exposure for workers. Steps to mitigate this hazard have been well documented, and current milling-machine technology can ensure exposure levels below the current OSHA standard.

Over the past decade, the Silica/Milling Machine partnership – which is made up of the National Asphalt Pavement Association (NAPA), milling-machine manufacturers, labor, academia, and NIOSH – has worked to identify simple

retrofits for existing milling machines that effectively reduce potential silica exposure below OSHA's new proposed PEL. More advanced systems that could reduce dust and potential silica exposure is reduced to the absolutely lowest level possible," says Tony Bodway, operations manager for Wisconsin based contractor Payne & Dolan Inc. and chairman of the Silica/Milling Machine Partnership. "These are complicated field trials, with lots of coordination and effort, all while working alongside government occupational health agency personnel. Everyone involved has been focused on the ensuring we do our best."

While the proposed PEL is achievable, as part of the federal rulemaking process, NAPA will file comments offering suggestions to help better calibrate the rule to the industry's exposure potential. NIOSH is expected to release in the coming months a best practices document for roadway milling based on the work of the Silica/Milling Machine Partnership. This document will provide a simple roadmap to ensure that any dust generated during milling operations is well-controlled and that workers experience a safe workplace.







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# Update of ARRA Technical Director's Activities

Stephen A. Cross, Technical Director, ARRA



It has been a busy six months since I made the transition into the role of ARRA's technical director. At least from my end, it was a rather painless transition thanks to the patience and guidance from the Board members, CORE Committee chairmen, excellent staff at ARRA, and too many other members to mention. Your efforts on my behalf are greatly appreciated.

One of the most common questions I am asked concerns the status of the new *Basic Asphalt Recycling Manual* or BARM II. We are nearing completion and hope to have a finalized version ready for the publisher by the Annual Meeting in February. The new BARM is more than a simple update of the original document that has served us well since its publication in 2001. The second edition keeps the basic structure of the original document but will consist of a complete revision of all chapters. The process has consisted of an initial revision and review of the chapters covering each ARRA discipline by the respective CORE Committees, followed by a line by line review of the entire draft document by a small group consisting of FHWA and ARRA members. The goal of this thorough review is to maintain consistent terminology throughout each chapter and to ensure the latest CORE Committee recommendations are included. After completion of this review, chapters are sent back to the respective ARRA CORE Committees for a final review. As of the date of the writing of this article, three of the four CORE Committees have received their final draft chapters and returned their comments. We have a goal of completing the document by the Annual Meeting.

Going hand-in-hand with the revision of the BARM has been the development of construction, mix design and preconstruction sampling, and quality assurance guidelines for some of the ARRA CORE disciplines. Significant progress was made

on final reviews of these draft documents at the fall PPRA meeting in Dallas. Look for these to start appearing on the ARRA web site this spring.

Progress is being made on additional training/educational fronts as well. The PRRC developed a draft pocket guide or checklist for full depth reclamation (FDR) to match the FHWA checklist series developed by the Foundation for Pavement Preservation (FP2). The draft FDR checklist was reviewed and revised by ARRA and FHWA has been recently published by FHWA as publication FHWA-HIF-13-036. In addition, with FHWA's assistance, we have completed a revision of FP2's Hot In-place Asphalt Recycling Application Checklist, FHWA-HIF-13-061 and are currently revising FP2's Cold In-place Asphalt Recycling Application Checklist. The revised checklists are available on the FHWA web site at <http://www.fhwa.dot.gov/Pavement/preservation/ppcl00.cfm> and will be posted on ARRA's web site when all three are completed.

Finally, ARRA was asked to participate in the development of three web based interactive training courses on in-place recycling. These courses are developed by the Transportation Curriculum Coordination Council (TCCC) and completed courses are hosted on the National Highway Institute's web site. The courses are designed for local, county and state owner agency technicians/inspectors. The CIR course is a 4 hour basic training course consisting of three modules covering an introduction to the CIR process, full and post production inspection activities. Information the recently completed TCCC Inspector Training for Cold In-Place Recycling, FHWA-NHI-134114, is available at [www.nhi.fhwa.dot.gov/training/course\\_search.aspx](http://www.nhi.fhwa.dot.gov/training/course_search.aspx) or at [www.tccc.gov](http://www.tccc.gov). Plans are in the works for classes on hot in-place recycling and full depth reclamation for 2014.



**Asphalt Emulsion Manufacturers Association**  
[facebook.com/aema.social](https://www.facebook.com/aema.social)

**Asphalt Recycling & Reclaiming Association**  
[facebook.com/arra.social](https://www.facebook.com/arra.social)

**International Slurry Surfacing Association**  
[facebook.com/issa.social](https://www.facebook.com/issa.social)



# FP<sup>2</sup> Inc. Update

Jim Moulthrop, Executive Director



Our annual FHWA/James B. Sorenson Excellence in Pavement Preservation Award was presented at the recent Midwest Pavement Preservation Partnership meeting in Indianapolis, IN, to the New Hampshire Department of Transportation. Commissioner Chris Clement and Pavement Management Engineer Eric Thibadeau were both present and

Commissioner Clement accepted the award and presented New Hampshire DOT's vision of preservation, some of the difficulties in championing such a program and the benefits of a robust pavement preservation program.

FP2 Inc. board members and contributors convened a Strategic Planning session in late October to discuss current issues and plan for future activities.

1. Continue our advocacy efforts for keeping good roads good with national, state, and local officials. We will be engaged in the predecessor to MAP-21 legislation that will emerge in 2014 as the current legislation expires. The major issue in the next bill will be the revenue source to adequately enhance the Highway Trust Fund.
2. Support pavement preservation research of strategic importance and that have long-term consequences.
3. We plan to spread the pavement preservation message to a broad array of audiences.

The preservation group study at NCAT on Lee County Road 159 continues to be monitored with an array of equipment on a weekly and monthly basis depending on equipment type and availability. Construction information for each treatment can be accessed at [www.pavetrack.com](http://www.pavetrack.com) by clicking on each section of Lee Road 159 which is displayed near the bottom of the page. Performance data for each section should be available soon and funding partners (seven DOTs and FP2 Inc.) will meet in early December, 2013 to review results.

*If you are planning to attend the annual Transportation Research Board meeting in Washington during January, 2014, plan to stop by our hospitality room (9021 in the Marriott Wardman Park) and "talk" preservation with your colleagues from around the nation and world.*

We continue to be involved in trying to understand the July Technical Memo issued by the Department of Justice and FHWA regarding maintenance and alterations to the pavement surface during resurfacing. Some preservation treatments that in the past have been exempted from compliance with the Americans with Disabilities Act (maintenance) are now considered alterations. Local governments are particularly affected by the memo which attempted to provide clarity to the provisions of the existing statute.



## 2014 and Beyond

Mike Dougherty, Online & Social Media Marketing Manager



2013 has been a great year here at AEMA-ARRA-ISSA, but, as the end of the year gets closer, I am extremely looking forward to 2014 and everything it has to offer.

2014 will be the launch of the new websites for each of the associations. It will also be the official launch of the new online stores which have been in soft launch for the past month. These new online stores will allow us to sell physical and digital products as well as do online registration for events and instant credit card processing all through one portal per association.

2014 will have a big focus on driving membership through online engagement and making the user experience a bit friendlier. Instead of creating stale content, we'd like to create more user designed topics. I look forward to your feedback. What areas can we improve upon with the website? What topics would you like to see talked about?

You're also going to find that 2014 will bring even more engagement through our social media using our Twitter, LinkedIn, Facebook, and YouTube accounts. We're going to be focused on getting you, our members, to actively promote the association and industry initiatives, through your own channels, to raise the awareness of our members and initiatives. We will also be engaging with non-members to increase our capabilities as an association.

I look forward to 2014 being a big year for tech and really pushing the envelope of what we're capable of doing to promote the industries, initiatives, and associations. Join me in the great and wonderful adventure into technology that will be 2014.



# UC - Davis and UC - Berkeley Plan Pavement Life Cycle Assessment Workshop in 2014

## **International Symposium on Pavement LCA (Pavement LCA 2014)** **TRB Co-Sponsored** **(Sustainable Pavements AFD00(1))** **FHWA Co-Sponsored** **(Sustainable Pavement Task Group)**

<b>Location:</b>	UC Davis Campus Conference Center; Davis, CA, USA
<b>Date:</b>	October 14-16, 2014
<b>Description:</b>	This workshop, hosted by the University of California, Davis and the University of California, Berkeley, will focus on the implementation of Life Cycle Assessment (LCA) for pavements. The workshop will be coordinated with activities of the FHWA Sustainable Pavement Technical Working Group. The workshop subject is implementation of LCA in pavement operations, at network and project levels. The purpose of the workshop is to review current status, identify the extent of consensus, and discuss future developments for implementation of pavement LCA in North America. This workshop will be a follow up to the 2010 Pavement LCA workshop held at UC Davis and the 2012 RILEM meeting on LCA for pavement materials held in Nantes, France.
<b>Expected Attendees:</b>	100-200, open to all.
<b>Anticipated Products:</b>	Pre-conference document for discussion at breakout sessions, conference document and results of breakout sessions and summary session, website for workshop, and published proceedings (electronic and paper) from submitted papers.
<b>Other Sponsors:</b>	ISAP Environment Committee, ISCP. Organizational support from ITS Tech Transfer at UC Berkeley.
<b>Funding:</b>	The workshop will be funded by attendance and institutional sponsors (no funding from TRB or FHWA).
<b>Scientific Committee</b>	The Scientific Committee is being solicited from members of the FHWA SPTG, TRB AFD00(1) and attendees of the 2010 and 2012 meetings.
<b>Papers</b>	Call for papers December 5, 2013 Second call for papers January 5, 2013 March 1, 2014 first submission of papers April 15, 2014 Comments back to authors July 15, 2014 Final paper submission

**You may obtain additional information here:**

<http://www.ucprc.ucdavis.edu/LCA2014/>

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# JEAA Bulletin

## **Japan Emulsified Asphalt Association (JEAA) Journal**

Mr. Yukio Yamauchi, Chairman of JEAA

Questions should be directed to:

Ichiro IIDA

Secretary General

Japan Emulsified Asphalt Association

Pine Central Bldg. 4F

2-11-5 Kyobashi, Chuo-Ku

Tokyo 104-0031

JAPAN

Telephone 81-3-5159-8096

Fax 81-3-5159-8097

E-mail info@jeaa.or.jp

## **Japan Emulsified Asphalt Association (JEAA) Journal #190**

### **Message from New Chairman**

Yukio Yamauchi, Chairman, JEAA

This is a message from Yukio Yamauchi, the new Chairman of JEAA elected at the 33<sup>rd</sup> Annual Meeting in June. The production amount of asphalt emulsion in Japan in 2012 was 160,000 tons, only 22% of the peak amount of 710,000 tons in the 1970's. On the contrary, cold in-place recycling and WMA are widely accepted in Europe and creating the market of asphalt emulsion.

Now the infrastructure, including asphalt pavement in Japan gets older and it is the era of maintenance and rehabilitation. The budget for public work has been increasing as one of the economic-boosting policies, and it is a good opportunity for us to promote the advantage of using asphalt emulsion as economical and environmentally friendly technology.

### **Introduction of Paper from the 5<sup>th</sup> Eurasphalt & Eurobitume Congress (1)**

Overseas Documents Working Group, Technical Committee, JEAA

This is the introduction of a paper from the 5<sup>th</sup> Eurasphalt & Eurobitume Congress in 2012. In this issue, the following paper is translated and introduced:

#### **A5EE-178 Evaluation of Tack Coat Performance for thin and Ultra-Thin Asphalt Pavements**

Alexandra Destree, Joelle De Visscher, Ann Vanelstraete (Belgium)

### **Introduction of Paper from the 5<sup>th</sup> Eurasphalt & Eurobitume Congress (2)**

Overseas Documents Working Group, Technical Committee, JEAA

This is the introduction of a paper from the 5<sup>th</sup> Eurasphalt & Eurobitume Congress in 2012. In this issue, the following paper is translated and introduced:

A5EE-138 Warm Mix Asphalt Based on Bitumen Emulsions  
Francisco Jose Barcelo Martinez, Antoin Paez Duenas (Spain)

### **Article from AEMA Newsletter**

This is a Japanese translation of the article "2012 Western States Regional In-Place Recycling Conference", which was originally published by AEMA Newsletter 2012 #4.

### **Trekking Course in Seoul, Korea (2)**

Jeong Hong Ki, Representative Director, IL WOO PPC

Naesasan hiking course in Seoul is one of the famous trekking courses in Korea. It is developed along 20 km of old castle wall and consists of four trails. In this Issue, Bugaksan and Naksan hiking courses are introduced.

### **Questions and Answers**

Technical Committee, JEAA

Questions from JEAA members and answers from Technical Committee; tack coat in porous asphalt rehabilitation with thin overlay, type of water used in asphalt emulsion, structure of self priming asphalt finisher, tank capacity and type of asphalt distributor.

### **Topics and JEAA News**

1. 33<sup>rd</sup> Annual Meeting was held on June 19, 2013 and Yukio Yamauchi was elected as new Chairman of JEAA.

The JEAA Activities Plan in 2013 is presented and approved as follows:

1. Standardization of asphalt emulsion quality, surveying manufacturing technology.

2. Developing and promoting multilateral demand of asphalt emulsion.
  - 1) Promoting cold mix paving
  - 2) Promoting modified asphalt emulsion for impermeable layer in porous asphalt pavement
  - 3) Surveying technology to expand use of asphalt emulsion
3. Survey and research of manufacturing/application of asphalt emulsion Bibliographic survey (domestic and abroad) on application of cold mix and WMA.
4. Surveying demand and technical trend of asphalt emulsion, providing information, promotion and education of research result.
  - 1) Publishing bulletin “Asphalt Emulsion” (3,300 in January, 3,100 copies in April and August)
  - 2) Digitalizing bulletin No.1 – 100 for archives
  - 3) Translation and reprint of the paper on 5<sup>th</sup> E&E Congress
  - 4) Providing document for technical seminar, including its revision
  - 5) Presentation and co-sponsoring 92<sup>nd</sup> Asphalt Seminar
  - 6) Cooperating 30<sup>th</sup> Japan Road Conference
  - 7) Discussion with authorities and associations
  - 8) Fulfilling and renewing JEAA Website
5. Other associated activities

2. Asphalt Emulsion production amount by JEAA members (FY 2012, April – June 2013) is shown below:

Asphalt Emulsion Productions in FY 2012 (t)

Division	Items			Total
	Penetration Type	Mixing Type	Modified Emulsion	
Hokkaido	6,809	641	1,067	8,517
Tohoku	21,896	9,809	2,721	34,426
Kanto	29,450	7,638	5,559	42,647
Hokuriku	5,641	636	393	6,670
Chubu	11,458	7,538	2,685	21,681
Kinki	7,744	1,976	1,848	11,568
Chugoku	6,957	1,506	1,406	9,869
Shikoku	3,658	463	250	4,371
Kyushu	14,085	3,607	2,125	19,187
Okinawa	1,910	0	55	1,965
Total	109,608	33,814	18,109	161,531

Asphalt Emulsion Productions from April – June 2013 (t)

Division	Items			Total
	Penetration Type	Mixing Type	Modified Emulsion	
Hokkaido	1,267	69	398	1,734
Tohoku	5,738	3,669	241	9,648
Kanto	5,245	1,388	856	7,489
Hokuriku	1,285	139	95	1,519
Chubu	2,046	612	559	3,217
Kinki	1,519	320	422	2,261
Chugoku	1,375	217	487	2,079
Shikoku	639	170	73	882
Kyushu	2,511	1,075	428	4,014
Okinawa	248	0	14	262
Total	21,873	7,659	3,573	33,105

# Asphalt Academy of the Asphalt Institute Announces Fall 2013 and All 2014 Courses & Webinars



[http://www.asphaltinstitute.org/public/asphalt\\_academy/2013\\_2014 Asphalt Academy Brochure.pdf](http://www.asphaltinstitute.org/public/asphalt_academy/2013_2014_Asphalt_Academy_Brochure.pdf)

## Asphalt Emulsions

Asphalt Emulsion Series – Session 1 – Introduction and Chemistry	2 PDHs	•REC	\$50
Asphalt Emulsion Series – Session 2 – Storage, handling & sampling testing, selecting the right grade	2 PDHs	•REC	\$50
Asphalt Emulsion Series – Session 3 – Surface treatment (chip seals, slurry, micro, etc.)	2 PDHs	•REC	\$50
Asphalt Emulsion Series – Session 4 – Emulsion aggregate mixtures	2 PDHs	•REC	\$50
Asphalt Emulsion Series – Session 5 – Asphalt pavement recycling, miscellaneous applications	2 PDHs	•REC	\$50

## Preservation – Maintenance and Rehabilitation

Cold Mix Paving – If we can make HMA warm, can we make it cold?	1.5 PDHs	•REC	\$50
Introduction to Cold In-Place Recycling	1.5 PDHs	•REC	\$50
Combining Preservation Treatments	1.5 PDHs	•REC	\$50
Pavement Management Systems	1.5 PDHs	•REC	\$50
ISSA Inspector's Manual for Slurry Seal/Microsurfacing	1.5 PDHs	•REC	\$50
Mix Design Methods for Slurry Seal/Microsurfacing Chip Seals	1.5 PDHs	•REC	\$50
Pavement Preservation Treatments Series – Introduction to Crack Treatments & Best Practices	2 PDHs	•REC	\$50
Pavement Preservation Treatments Series – Introduction to Slurry Seal & Microsurfacing & Best Practices	2 PDHs	•REC	\$50
Pavement Preservation Treatments Series – Introduction to Chip Seals & Best Practices	2 PDHs	•REC	\$50



**INTERNATIONAL SLURRY SURFACING ASSOCIATION**

**2014 SLURRY SYSTEMS WORKSHOP**

**Featuring Pavement Preservation Techniques Including:  
Micro Surfacing/Slurry Surfacing/Chip Seal & Crack Treatment**

**Big  
changes to  
Program  
Schedule  
See page 2**



**Registration Brochure**

**HANDS ON PROGRAM FOR ENGINEERS,  
INSPECTORS, AND INDUSTRY PERSONNEL**



**January 21 - 24, 2014  
Caribe Royale Hotel  
Orlando, Florida**

## WHAT IS THE SLURRY SYSTEMS WORKSHOP?

The Slurry Systems Workshop is a study course offering a challenging and informative program on slurry seal, micro surfacing, chip seals and crack treatments with “hands-on” operation demonstrations and workshop-type discussions. Highly qualified Pavement Preservation Specialists will cover topics on the above listed processes, including materials and equipment, specifications, hand mixes, calibration, quality control, and inspection.

Attendees will also be able to view state of the art slurry, micro surfacing, chip seals and crack treatment equipment, independent of the paving demonstrations.

ISSA encourages all ISSA members, and non-members who are contractors, suppliers, engineers, consultants as well as government agencies to attend this valuable workshop. A certificate of achievement will be awarded to all participants at the completion of the workshop.

In addition to attending the workshop, your company or organization can become a workshop sponsor. Your company name will be listed in the final program as a sponsor, displayed on signage, and you'll have the opportunity to bring company literature to display.

Please read all of the enclosed information and send in your registration for this valuable and popular workshop. We look forward to seeing you in Orlando!

## PRELIMINARY PROGRAM

(subject to change without notice)

### Tuesday, January 21, 2014

7:00am - 1:00pm Registration Desk Open  
 7:00am - 8:00am Continental Breakfast  
 8:00am - 8:10am ISSA Welcome  
 8:10am - 8:15am Presidents Message  
 8:15am - 9:00am Introduction to Slurry Systems  
 9:00am - 9:50am Introduction to Crack Treatments  
 9:50am - 10:05am **Break**  
 10:05am - 10:45am Emulsions for Pavement Preservation  
 10:45am - 11:05am Aggregates for Emulsion Based Pavement Preservation  
 11:05am - 11:35am Designing a Successful Pavement Preservation Project  
 11:35am - 12:00pm Preview of Outside Demo  
 12:00pm - 12:45pm **Lunch**  
 12:45pm - 12:55pm Board Busses for Demo  
 1:00pm - 4:30pm Equipment Parade & Live Demonstrations  
     Crack Sealing  
     Chip Seal  
     Slurry/Micro  
 4:30pm - 4:45pm Board Busses Back to Hotel  
 6:00pm - 7:30pm **Sponsors Reception**

### Wednesday, January 22, 2014

7:00am - 8:00am Continental Breakfast  
 7:00am - 5:00pm Registration Desk Open  
 8:00am - 8:25am Demo Review and Questions  
 8:25am - 10:00am Introduction to Chip Seals  
 10:00am - 10:15am **Break**  
 10:15am - 10:35am ISSA Presidents' Award  
 10:35am - 11:00am Emulsion Storage, Handling & Shipping  
 11:00am - 11:30am Marketing Preservation Processes  
 11:30am - 12:00pm FHWA Report  
 12:00pm - 1:00pm **Lunch**  
 1:00pm - 1:30pm Pavement Preservation through In-Place Recycling  
 1:30pm - 2:00pm Slurry Systems Best Practices and Craftsmanship  
 2:00pm - 2:30pm Spreader Box/Pugmill Principles  
 2:30pm - 3:00pm Inspectors Manual Review  
 3:00pm - 3:15pm **Break**  
 3:15pm - 4:00pm Mix Design for Slurry/Micro  
 4:00pm - 4:30pm Agency Perspective – Insuring Quality Preservation Projects  
 4:30pm - 4:55pm Work Zone Safety  
 4:55pm - 5:00pm Review/Preview/Questions

### Thursday, January 23, 2014

7:00am - 8:00am Continental Breakfast  
 7:00am - 4:00pm Registration Desk Open  
 8:00am - 9:00am Quality in Pavement Preservation  
 9:00am - 9:30am Troubleshooting Slurry Systems in the Field  
 9:30am - 9:55am Factors Affecting Mix Design Methodology  
 9:55am - 10:00am Hand Mix Preview  
 10:00am - 10:15am **Break**  
 10:15am - 11:30pm **Group 1 - Slurry/Micro Calibration**  
 11:30am - 12:45pm **Group 1 - Daily Material Reports and Other Record Keeping**  
 10:15am - 12:45pm **Group 2 - Hand Mixes - 15 minutes per session**  
     Slurry Seal Hand Mixes  
     Laboratory Equipment  
     Micro Surfacing Hand Mixes  
     Micro Surfacing - Troubleshooting  
     Chip Seal  
     Crack Treatment  
 12:45pm - 1:45pm **Lunch**  
 1:45pm - 3:00pm **Group 2 - Slurry/Micro Calibration**  
 3:00pm - 4:15pm **Group 2 - Daily Material Reports and Other Record Keeping**  
 1:45pm - 4:15pm **Group 1 - Hand Mixes - 15 minutes per session**  
     Slurry Seal Hand Mixes  
     Laboratory Equipment  
     Micro Surfacing Hand Mixes  
     Micro Surfacing - Troubleshooting  
     Chip Seal  
     Crack Treatment  
 4:30pm - 6:00pm **Sponsors Reception**

### Friday, January 24, 2014

7:00am - 8:00am Continental Breakfast  
 7:00am - 11:00am Registration Desk Open  
 8:00am - 8:05am Review/Preview/Questions  
 8:05am - 8:35am What Quality Means to an Agency  
 8:35am - 9:00am ISSA Web-Based Training  
 9:00am - 9:30am Equipment Maintenance  
 9:30am - 10:00am Review of Fiber Slurry Systems – Materials, Specs, Advantages  
 10:00am - 10:30am Crack Treatments  
 10:30am - 11:00am Cape Seals  
 10:50am - 11:00am SSWS Closing Remarks/Adjournment

The Slurry Systems Workshop is made possible by ISSA and the ISSA Workshop Committee.



# ISSA 2014 SLURRY SYSTEMS WORKSHOP

January 21 - January 24, 2014  
 Caribe Royale Hotel  
 Orlando, Florida

## REGISTRATION FORM

**Please register the following:**

Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Country \_\_\_\_\_

**Attendee 1** \_\_\_\_\_

Position \_\_\_\_\_

Phone \_\_\_\_\_ T-Shirt Size \_\_\_\_\_

E-mail \_\_\_\_\_

**Attendee 2** \_\_\_\_\_

Position \_\_\_\_\_

Phone \_\_\_\_\_ T-Shirt Size \_\_\_\_\_

E-mail \_\_\_\_\_

**Attendee 3** \_\_\_\_\_

Position \_\_\_\_\_

Phone \_\_\_\_\_ T-Shirt Size \_\_\_\_\_

E-mail \_\_\_\_\_

**Attendee 4** \_\_\_\_\_

Position \_\_\_\_\_

Phone \_\_\_\_\_ T-Shirt Size \_\_\_\_\_

E-mail \_\_\_\_\_

**Attendee 5** \_\_\_\_\_

Position \_\_\_\_\_

Phone \_\_\_\_\_ T-Shirt Size \_\_\_\_\_

E-mail \_\_\_\_\_

Total Registration Fees Enclosed \$ \_\_\_\_\_

Sponsorship Enclosed + \$ \_\_\_\_\_

Total Enclosed \$ \_\_\_\_\_

### REGISTRATION FEES :

#### COMPLETE FOUR-DAY WORKSHOP

Fees for the complete four-day workshop include four continental breakfasts, three lunches, two evening receptions, all refreshment breaks, materials and handouts AND a T-Shirt.

	BEFORE DECEMBER 17, 2013	
	1-2	3 or more
	Registrants	Registrants
ISSA Member	\$ 525 each	\$ 475 each
Government Agency	\$ 375 each	
Non-Member	\$ 1075 each	

	AFTER DECEMBER 17, 2013	
	1-2	3 or more
	Registrants	Registrants
ISSA Member	\$ 550 each	\$ 500 each
Government Agency	\$ 400 each	
Non-Member	\$ 1100 each	

### SPONSORSHIP

- YES, my company would like to be a sponsor of the Slurry Systems Workshop for \$750.
- YES, we will need a table to display literature at the workshop.
- NO, we will not need a table to display literature at the workshop.

*Luncheon and Reception Sponsorships also available; please contact ISSA headquarters.*



YES, I NEED A RECEIPT, PLEASE SEND TO:

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Account # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Name as it appears on card: \_\_\_\_\_ CVV2 # \_\_\_\_\_

Please return the completed registration form by **December 17, 2013**, with a check payable to ISSA for the total registration fees to: ISSA, #3 Church Circle - PMB 250, Annapolis, Maryland 21401. Credit card registrations may be faxed to ISSA Headquarters at 410-267-7546 or emailed to cerone@slurry.org



## INFORMATION

**REGISTRATION POLICY:** ISSA will not process any registration form that is not accompanied by payment, period. What this policy means is that ISSA will not make any related arrangements for any person whose registration form is received without payment.

**CANCELLATIONS:** Notification must be received in writing by ISSA headquarters if you have registered for the Workshop and subsequently find you will be unable to attend. If registration cancellation is necessary, ISSA will refund registration fees in accordance with the following schedule:

Cancellation received by:	Refund:
January 7, 2014	100% minus \$25
January 14, 2014	50% of registration fee
January 15, 2014	No Refund



"No shows" will be charged the full registration fee. Substitutions may be made at any time by contacting ISSA headquarters at (410) 267-0023.

**REGISTRATION DEADLINE:** Although ISSA expects to be able to accommodate all meeting registrants, we urge you to complete and return the registration form to ISSA, and contact the hotel, no later than December 17, 2013. After that date, we cannot guarantee hotel reservations at the Caribe Royale Hotel; space available will apply.

**HOTEL:** The Caribe Royale Hotel, 8101 World Center Drive, Orlando, Florida 32821. ISSA has negotiated a special room rate of \$140.00 + tax (January 21 – 24, 2014.) Don't forget to mention ISSA. Reservations Toll Free: 888-258-7501.



**Make your reservations online at:** [https://resweb.passkey.com/Resweb.do?mode=welcome\\_ei\\_new&eventID=10216118](https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=10216118)

In order to assure room availability and to receive the group rate, you must make your reservation by December 17, 2013. After that date, room reservations will be accepted on a space available basis. The first night's deposit is non-refundable unless reservations are canceled 48 hours before the day of arrival. Check-in time is after 3:00 pm and check-out time is 11:00 a.m. Facilities at the Caribe Royale include three restaurants including fine dining and 24 hour café/deli, two lounges, pool bar and grill, coffee shop, 250,000 gallon freeform pool with cascading waterfalls, and 75-foot waterslide and two whirlpool spas; lighted tennis court; lighted basketball court, spa, state-of-the-art fitness center, two video arcades, wireless Internet service, and 24-hour room service. The hotel is just 15.5 miles from Orlando International Airport (MCO).

**SPONSORSHIP:** For \$750, your organization will be recognized on signage at the workshop, listed as a workshop sponsor in the final program, highlighted in the ISSA Report, have opportunity for equipment displayed outside, your company logo will appear on the workshop T-shirt and listed on the workshop CD. As an extra bonus, at your option and at no additional cost, ISSA will provide you with 10 feet of exhibit space outside the workshop classroom. For enhanced value, consider sponsoring a workshop reception, please contact Program Director, Lisa Cerone (410) 267-0023 or [cerone@slurry.org](mailto:cerone@slurry.org) for more details.



**GENERAL INFORMATION:** Please call (410) 267-0023, email [cerone@slurry.org](mailto:cerone@slurry.org) or write to ISSA Headquarters, #3 Church Circle, Annapolis - PMB 250, Maryland 21401 if you have any questions or concerns.



International Slurry Surfacing Association  
#3 Church Circle, PMB 250  
Annapolis, Maryland 21401  
USA

410-267-0023 410-267-7546 fax  
e-mail [krissoff@slurry.org](mailto:krissoff@slurry.org)  
website [www.slurry.org](http://www.slurry.org)



# Preservation & Rehabilitation 2014 The Smart, Sustainable Choice



February 25 - 28, 2014

The Turnberry Isle - Miami  
Aventura, Florida

## Meeting Registration



### AEMA 41st Annual Meeting



### ARRA 38th Annual Meeting



### ISSA 52nd Annual Convention



## Pavement Preservation & Rehabilitation 2014

### The Smart, Sustainable Choice

The Asphalt Emulsion Manufacturers Association, the Asphalt Recycling & Reclaiming Association and the International Slurry Surfacing Association are about to meet together for the 11<sup>th</sup> consecutive year. The reasons that brought these three associations together from 2004 - 2013 still exist today with even more relevance than ever before. This year's program focus is 'Pavement Preservation & Rehabilitation 2014, The Smart, Sustainable Choice'. AEMA, ARRA and ISSA are strongly invested in the maintenance and preservation of our highways in ways that are economically beneficial, soundly engineered, and friendly to the environment at the same time. Through our marketing program, the Pavement Preservation & Recycling Alliance, we are well prepared to meet the challenges ahead with a united front.

Industry speakers and cutting edge topics equal the best in technology transfer. Attendees at this meeting will have the opportunity to enjoy the general sessions and then choose the topics on which they want to focus. This scheduling allows everyone to keep abreast of new developments that may be valuable for future business expansion or simply pertinent for current customer satisfaction.

#### **Reduced Fees and Changes in Programs for Spouses**

For the low reduced registration fee of only \$400, your spouse will enjoy all the same meeting activities you do: the opening reception, continental breakfasts, Awards Breakfast, the big Thursday night Game-A-Palooza party, and the special spouses' Welcome to Aventura Champagne Brunch. In addition, we'll have a few special a la carte sight-seeing opportunities for her, advance arrangements for which can be made directly with our on-site coordinator; we will send those details when we confirm receipt of your registration.

***One reminder, register your spouse for the AEMA-ARRA-ISSA Annual Meeting. Unregistered spouses may not participate in scheduled Annual Meeting activities.***

The information that appears on the following pages represents speakers, both invited and/or confirmed, at present. Between now and the meeting, it may change to some degree. We will keep you abreast of all additions or changes as best we can.

Looking forward to seeing you in sunny Aventura, Florida.

Mark McCollough, AEMA President, Asphalt Materials, Inc.  
 Archie Reynolds, AEMA Annual Meeting Program Planning Chairman, Norjohn Limited  
 Patrick FASTER, ARRA President, Gallagher Asphalt Corporation  
 Andrew Fox, ARRA Program Chair, InVia Pavement Technologies, LLC  
 Christine Deneuvillers, ISSA President, Colas S.A.  
 Carter Dabney, ISSA Convention Chair, Slurry Pavers, Inc.  
 Mike Krissoff, Executive Director, AEMA-ARRA-ISSA



# Schedule at a Glance

Date	Start	End	Function	Room
Monday 2/24/2014			Registration Set-Up	Ballroom East Foyer
	1:00 PM	5:00 PM	AEMA Board of Directors	Salon I
	6:00 PM	7:00 PM	AEMA-ARRA-ISSA Board, Past Presidents & Committee Chairmen Reception	Cascata Pool
Tuesday 2/25/2014			Exhibit Set-Up	Ballroom III
	8:00 AM	12:00 PM	ARRA Board of Directors	Salon I
	1:00 PM	5:00 PM	ISSA Board of Directors	Salon I
	2:00 PM	8:00 PM	Registration & Information	Ballroom East Foyer
	6:00 PM	8:00 PM	AEMA-ARRA-ISSA Opening Reception	Magnolia Courtyard
Wednesday 2/26/2014	7:00 AM	1:00 PM	Registration & Information	Ballroom East Foyer
	7:00 AM	8:00 AM	AEMA-ARRA-ISSA Continental Breakfast	Conference Lobby
	24 hours		Exhibits	Ballroom III
	7:00 AM	8:00 AM	AEMA ITC Executive Committee	Salon I
	7:00 AM	8:00 AM	ARRA CORE Executive Committee	Salon II
	7:00 AM	8:00 AM	ISSA Past Presidents Meeting	Salon IV
	7:00 AM	8:00 AM	ISSA Slurry Systems Workshop Committee Meeting	Salon III
	8:00 AM	12:00 PM	AEMA-ARRA-ISSA Joint General Session	Ballrooms I/II
	9:00 AM	10:30 AM	Spouses' Welcome Brunch	Salon VIII
	12:00 PM	1:00 PM	AEMA-ARRA-ISSA Luncheon	Magnolia Courtyard
	1:00 PM	4:00 PM	Manufacturers Showcase	Ballrooms I/II
	4:00 PM	5:00 PM	PPRA Executive Committee Meeting	Salons I/II/III
		No Scheduled Functions		
Thursday 2/27/2014	7:00 AM	12:00 PM	Registration & Information	Ballroom East Foyer
	24 hours		Exhibits	Ballroom III
	7:00 AM	9:00 AM	AEMA-ARRA-ISSA Annual Recognition Breakfast	Garden Room
	9:00 AM	10:00 AM	AEMA Business Meeting	Ballroom I
	9:00 AM	10:00 AM	ARRA CORE Meeting	Ballroom II
	9:00 AM	11:00 AM	ISSA Technical Session	Salons IV/V/VI/VII
	10:00 AM	12:00 PM	AEMA General Session	Ballroom I
	10:00 AM	11:00 AM	ARRA Business Meeting	Ballroom II
	11:00 AM	12:00 PM	ISSA Business Meeting	Salons IV/V/VI/VII
	11:00 AM	12:00 PM	ARRA General Session	Ballroom II
	12:00 PM	1:00 PM	AEMA-ARRA-ISSA Luncheon	Garden Room
	1:00 PM	4:00 PM	AEMA ITC Meeting/Technical Session	
	1:00 PM	4:00 PM	ARRA Cold Planning Committee	Ballroom I
	1:00 PM	4:00 PM	ARRA Cold Recycling Committee	Ballroom II
	1:00 PM	4:00 PM	ARRA Full Depth Reclamation/Soil Stabilization Committee	Salons I/II
	1:00 PM	4:00 PM	ARRA Hot In-Place Recycling Committee	Salon III
	1:00 PM	4:00 PM	ISSA Chip Seal Committee	Salon IV
	1:00 PM	4:00 PM	ISSA Crack Treatment Committee	Salon V
	1:00 PM	4:00 PM	ISSA Slurry/Micro Committee	Salon VI
	4:00 PM	5:00 PM	AEMA-ARRA-ISSA Supplier Members Meeting	Ballroom I
7:00 PM	11:00 PM	Theme Party - Food, Drink, Music & Fun	Laguna Pool	
Friday 2/28/2014	7:00 AM	12:00 PM	Registration & Information	Ballroom East Foyer
	7:00 AM	8:00 AM	AEMA-ARRA-ISSA Continental Breakfast	Conference Lobby
	7:00 AM	11:30 AM	Exhibits	Ballroom III
	8:00 AM	11:30 AM	AEMA General Session	Ballroom I
	8:00 AM	11:30 AM	ARRA General Session	Ballroom II
	8:00 AM	11:30 AM	ISSA General Session	Garden Room
			Annual Meeting Adjourns	
1:00 PM	6:00 PM	AEMA-ARRA-ISSA Golf Tournament		

# Preliminary Speaker List

*subject to change without notice*

## Wednesday - February 26

	Welcome
Garry Golden University of Houston	Issues Shaping Business and Society in the 21 <sup>st</sup> Century
Tom Bryon Chief Engineer, Florida DOT	Florida DOT's Pavement Preservation Program
Robert Mooney Pre-Construction Team Leader, FHWA Office of Infrastructure	Americans with Disabilities Act (ADA)
George Olsen Williams & Jensen	Affordable Care Act
Dr. Buzz Powell Auburn University	NCAT Update/Test Track
Jim Moulthrop Executive Director, FP2, Inc.	FP2 Update
Greg Cohen President & CEO, American Highway Users Alliance	High Level Business Issues
Butch Wlaschin FHWA	FHWA Update

## Thursday - February 27

ISSA 2014 President's Award Winner	ISSA 2014 President's Award Winning Submission
Arlis Kadrmas, BASF Corporation Rich Wenthe, MWV Asphalt Innovations	Value of Polymer Modifications & Fibers in Pavement Preservation
Yvon Gerbel Breining-Secmair, Fayat Group	Multi-Functional Equipment for Chip Seals & Cape Seal
Mike Hemsley Paragon Technical Services	Bulking Effect, Does it Matter?
Rich Wenthe, MWV Asphalt Innovations Rusty Price, Intermountain Slurry Seal Rex Eberly, Strawser Construction	ISSA Technical Response Q & A
Mike Farrar, Western Research Institute Jean-Pascal Planche, Western Research Institute	Chip Seal Aging Survey
Trey Jordan Ergon Asphalt & Emulsions	Applicability of Modified Vialit Adhesion Test for Seal Treatments
Mike Hemsley Paragon Technical Services	Correlation of Shear and Tension Tests for Bond Coats Used in Asphaltic Materials
Todd Ryne Akzo Nobel Surface Chemistry	Making & Breaking Emulsions Outside the Asphalt Industry

**Note:** *The Program Committee is still adding speakers.*



**Thursday - February 27- continued**

Jean-Martin Croteau Colas	Road Maintenance Using Natural Resources in Emulsion Primers
Bob Walley Ergon Asphalt & Emulsions	Reducing Hydrogen Sulfide in Emulsion Manufacturing
Andrew Braham, University of Arkansas Sadie Smith, University of Arkansas	The Effect of Lab Compaction Method on the Strength of FDR Mixtures
Kirk Thornock Utah DOT	Double Layer Cold Recycling
Todd Thomas, Colas Solutions, Inc. Trevor Moore, Miller Paving Limited Don Matthews, Pavement Recycling Systems	QA/QC for CIR/FDR for Rapid Adaptation for Field Conditions
Tom Wirth Geo-Technology Associates	Chemical Modification & Stabilization of Fallston Commons, MD

**Friday - February 28**

<b>Business Owners Forum</b>	
Phil Tarsovich, Slurry Pavers, Inc.	
Eric Reimschiessel, American Pavement Preservation	
Craig & Marty Moore, Cleveland Asphalt Products	
Neil Guiles, Vestal Asphalt	
<b>Supply Chain</b>	
Frank Cawkell Exxon-Mobil	Outlook of Cement Supply in North America
<b>Aggregate Demands, AI A/C vs Planet Usage &amp; Surfactant</b>	
Frank Hurkman Norjohn/Walker Industries	Challenges Within the Aggregates Industry & the Impact on Chip Seal Aggregates
<b>Emulsifiers Challenges</b>	
Andy Bickford MWV Asphalt Innovations	Emulsifiers
Barry Baughman ULTRAPAVE Corporation	Latexes

## General Information

**Registration Fee:** Your registration fee for the AEMA-ARRA-ISSA Annual Meeting includes not only your actual meeting participation, but also provides you with two continental breakfasts, a delightful Awards Breakfast, one luncheon, a heavy reception with food and drink, a spectacular theme party with dinner, and more!

Persons attending any portion of the Annual Meeting will be responsible for the full registration fee.

There will be no partial registration fee for one-day attendance or participation at meal functions only.

**Spouses' Program:** We invite and encourage the participation of all registered spouses in the Annual Meeting business sessions, committee meetings, and social activities, which includes our Thursday night theme party - and of course spouses are welcome to participate in the Golf Tournament! Please remember - spouses must register for the meeting if they intend to participate in any of the scheduled functions. No exceptions!

This year, we have arranged with Access Florida to have tours offered at very reasonable prices - one is offered on Wednesday, a Mansion and Marina Tour via Water Taxi. On Friday, there is an everglades tour at Sawgrass Recreation Park & Shopping at Sawgrass Mills Mall. See details on page 8.

**Theme Party:** You won't want to miss AEMA-ARRA-ISSA's legendary Thursday night party, this year's theme, **Game-A-Palooza** and you can count on an evening to remember. We'll have food, we'll have great music, we'll have drinks, and we'll have plenty of lively fun & games! Casual attire for an evening of arcade fun!

**Registration Deadline:** Although we expect to be able to accommodate all meeting registrants, we urge all prospective Annual Meeting attendees to register well in advance of the meeting. To take advantage of the early registration discount, we must have your completed meeting registration form with payment no later than **January 31, 2014**. No exceptions, please!

**Weather:** The weather should be beautiful, with daytime highs in the 70's and evenings in the 50's, but bring a sweater or light jacket.

**Cut-Off Date is January 31, 2014.** Don't Delay – Make Your Reservations Today. We cannot guarantee the availability of guest rooms at the Turnberry Isle Miami; our room block is reserved on a first come, first served basis until it is gone. Our rate is protected until January 31; after January 31, we cannot guarantee room reservations at the hotel; space available will apply.

*And a quick word about hospitality suites and private functions. We are doing everything we can to discourage hospitality suites, for a lot of reasons. We've got three associations involved in this meeting. We do not want to do anything at this meeting that will lessen the value of having all these people in the same place at the same time. When all participate in the same coffee breaks, breakfasts, luncheons, receptions, dinners, and parties, the networking opportunities are vastly improved rather than having people breaking off on their own to visit various private suites. We strongly encourage anyone considering a hospitality suite to instead get involved through one of our sanctioned opportunities. It is imperative that this meeting be a whopping success, from the standpoint of both content and value to the registrants, and to the three associations financially. We are asking all member companies to assist us in this effort and not to schedule any private functions that will erode the attendance of the sessions or the social events.*

**REGISTRATION CANCELLATION POLICY:** Notification must be received by AEMA/ARRA/ISSA headquarters if you have registered for the meeting and subsequently find you will be unable to attend. If registration cancellation is necessary, we will refund registration fees in accordance with the following schedule:

**Cancellation received by:**

Two weeks prior to first day of meeting

One week prior to first day of meeting

Less than one week prior to meeting

"No Shows" will be charged the full registration fee.

**Refund:**

100% minus \$50 processing fee

50% of registration fee

No refund

Persons attending any portion of the Annual Meeting will be responsible for the full registration fee.

There will be no partial registration fee for one-day attendance or participation at meal functions only.

We strongly urge your compliance with this policy in order to equitably allocate meeting costs among all meeting participants.

# Spouse Tours & Activities Opportunities

Special arrangements have been made with Access Florida for the following activities:

**Wednesday, February 26, 2014**

**Welcome Brunch (Included in your registration fee)**

Wellness Speaker - Wellness is a term used to describe a balance between the body, mind and spirit. A wellness speaker will emphasize this concept and educate you on your personal responsibility to achieve balance in these areas to increase your overall lifestyle, quality of life and well being. The topic, *Integration of Food in Our Daily Lives*, will be discussed. How everything in our lives (relationships, career choices, spirituality, activity levels) are all related to our food choices and how we eat.

**Wednesday, February 26, 2014**

**Mansion & Marina Tour via Water Taxi (An elective activity you may choose to participate in - separate fee of \$72.00)**

The best way to view the beauty of South Florida is a leisurely cruise on Ft. Lauderdale's popular Water Taxi. Sit back and enjoy a narrated scenic cruise



along the beautiful Intra-coastal Waterway. Discover the best view of Fort Lauderdale that has earned the city the nick-name "Venice of America". Experience close-up views of the millionaire's mansions and marinas and find out the rich history of our waterways.

You will see lively waterside cafes, villages of the rich and famous and a magnificent view of the colorful architecture.

This tour includes free time on Las Olas Boulevard – South Florida's most architecturally unique, authentic, and eclectic shopping and dining district. Stroll the boulevard, duck in and out of our cool breezeways, and be delighted by what you discover. Nowhere else in Florida will you find over 30 al fresco dining options, 10 major international art galleries, 2 world class museums, a charming historic hotel and 65 shops filled with fashion, accessories, gifts and more.

**Friday, February 28, 2014**

**\*Everglades Tour at Sawgrass Recreation Park & Shopping at Sawgrass Mills Mall (An elective activity you may choose to participate in - separate fee of \$60.00)**



You may visit the Everglades at Sawgrass Recreation Park and take an airboat tour amidst the "sea of grass", then visit animal exhibits featuring

the gator and reptile exhibit, the exotic animals with the Florida panther, the beautiful black cougars, hawk, with much more. The park is known for its rich bird life, particularly large wading birds, such as the roseate spoonbill, wood stork, great blue heron and a variety of egrets.

A narrated airboat tour with a professional guide allows guests to experience the unique natural beauty of the Everglades. See alligator nests and observe wildlife in their natural habitat. The tour gives ample time to photograph birds, alligators and other endangered wildlife. You will see native and exotic animals, panthers, gators, otters, birds of prey and more.

You will see a presentation on life in the Everglades as it was for the Seminole Indians. Next, you can stop by the live Alligator, Reptile, and Vanishing Species Exhibits and learn fact from fiction about the magnificent prehistoric reptiles. Tour the nearby Flamingo Gardens and a naturalist will point out the wide variety of tropical plants and native wildlife as guests wander through the aviary and gardens. Exhibits and attractions include Everglades "Free Flight" Aviary the Wildlife Encounter, Bird of Prey Center, a tram tour, Tropical Plant House, Flamingo Island and Bobcat Habitats.



Lunch on your own and shopping at Sawgrass Mills Mall, the 7th largest mall in the United States!

**\*Activity Sign-up**

An online website will be available no later than January 22, 2014. Activity sign ups must be completed by Thursday, February 6, 2014 approximately two weeks prior to start of program. All activities require a minimum number of participants to be able to operate the tour. If activity minimums are not met, that particular tour will be canceled and attendees will be notified and refunded.

# Sponsor Opportunities



AEMA, ARRA, and ISSA count on proceeds from the annual meeting to help with their program budgets throughout the year, so the overall financial success is vital. Please remember a major benefit of the combined meeting is not having to go to three separate meetings; you can reach more people at one time in one place, and not have to spend more time and money at two other meetings. We humbly ask you to consider applying some of that savings towards sponsorship of the AEMA-ARRA-ISSA 2014 Annual Meeting, and we encourage you to bring more people from your company.

## Levels

### Green Sponsorship - \$10,000

- Company logo on the meeting shirts & bags
- Recognition on signage, meeting program, and newsletter
- Display two pieces of equipment in the outdoor display area
- 10' of indoor exhibit space for a pop-up or tabletop display
- Distribution of product literature in the display area

### Gold Sponsorship - \$5000

- Recognition on signage, meeting program, and newsletter
- Display two pieces of equipment in the outdoor display area
- 10' of indoor exhibit space for a pop-up or tabletop display
- Distribution of product literature in the display area

### Silver Sponsorship - \$2500

- Recognition on signage, meeting program, and newsletter
- Display one piece of equipment in the outdoor display area
- 10' of indoor exhibit space for a pop-up or table top display
- Distribution of product literature in the display area

### Bronze Sponsorship - \$1000

- Recognition on signage, meeting program, and newsletter
- 10' of indoor exhibit space for a pop-up or table top display
- Distribution of product literature in the display area

**Sponsorship of individual meeting events is also available in accordance with the schedule below, with recognition granted corresponding to the levels above:**

- |  |   |
|--|---|
| • <b>Opening Reception</b> – \$ 15,000             | • <b>Awards Breakfast</b> - \$15,000            |
| • <b>Wednesday Continental Breakfast</b> - \$5,000 | • <b>Theme Party</b> - \$25,000                 |
| • <b>Wednesday Morning Break</b> - \$5,000         | • <b>Friday Continental Breakfast</b> - \$5,000 |
| • <b>Wednesday Luncheon</b> - \$10,000             | • <b>Friday Morning Break</b> - \$5,000         |
| • <b>Wednesday Afternoon Break</b> - \$5,000       | • <b>Golf Tournament</b> - \$5,000 (Limit 3)    |

### AEMA-ARRA-ISSA Golf Tournament Sponsorship Opportunities

- **Golf Tournament Sponsors** (maximum of 3 available) \$5000 – Receive maximum recognition throughout the day, including exposure out on the golf course. All print material and on-course signage will incorporate your logo as well as that of the tournament.
- **Beverage Cart Sponsor** (maximum of 2 available) \$2,500 – Receive logo recognition prominently displayed on both sides of the beverage carts.
- **Putting Contest Sponsor** \$2,500 – Receive logo recognition on the putting green. A putting contest will be set up to entertain golfers before the tournament.
- **Hole Sponsor** – (maximum of 18 available) \$1,000 – Receive distinctive logo recognition on one hole. Will include a Pin Flag and a Tee Marker. Both the Pin Flag and Tee Marker will be full color and double-sided. Pin Flags will have a wire frame built in to extend the flags out, so sponsor receives recognition even if the wind is not blowing.
- **Skills Contest Sponsor** – (maximum of 2) \$1,000 each - This sponsor will receive recognition on two skills contests either on the front nine or back nine.



Thank you all very much for your anticipated continuing support of AEMA, ARRA, and ISSA.

# Sponsor Opportunities



Please indicate your preference to sponsor:

- |   |  |  |  |
|---|--|--|--|
| <input type="checkbox"/> <b>Green</b>                   | <input type="checkbox"/> <b>Gold</b>                               | <input type="checkbox"/> <b>Silver</b>                       | <input type="checkbox"/> <b>Bronze</b>               |
| <input type="checkbox"/> Opening Reception – \$ 15,000  | <input type="checkbox"/> Wednesday Morning Break- \$5,000          | <input type="checkbox"/> Wednesday Afternoon Break - \$5,000 | <input type="checkbox"/> Theme Party - \$25,000      |
| <input type="checkbox"/> Friday Morning Break - \$5,000 | <input type="checkbox"/> Wednesday Continental Breakfast - \$5,000 | <input type="checkbox"/> Wednesday Luncheon - \$10,000       | <input type="checkbox"/> Awards Breakfast - \$15,000 |
|   | <input type="checkbox"/> Friday Continental Breakfast - \$5,000    |  |  |

### Golf Tournament Sponsors

- |  |  |
|--|--|
| <input type="checkbox"/> Golf Tournament Sponsors - \$5000 (Limit 3) | <input type="checkbox"/> Beverage Cart Sponsor - \$2,500 (Limit 2) |
| <input type="checkbox"/> Putting Contest Sponsor – \$2,500           | <input type="checkbox"/> Hole Sponsor \$1,000 (Limit 18)           |
| <input type="checkbox"/> Skills Contest Sponsor – \$1,000 (Limit 2)  |  |

Please provide an electronic copy of your company logo for use on signs and in the AEMA - ARRA - ISSA Newsletter. You may send the file to [cerone@krissoff.org](mailto:cerone@krissoff.org)



Name \_\_\_\_\_

Company \_\_\_\_\_

Telephone (     ) \_\_\_\_\_

Company Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_

Country \_\_\_\_\_

E-mail \_\_\_\_\_

- Check enclosed     MasterCard     VISA     American Express

Account # \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name as it appears on card \_\_\_\_\_ CVV2 # \_\_\_\_\_

*Contributions or gifts are not deductible as charitable contributions for federal income tax purposes; however, dues, publications, advertising, and registration fees are generally deductible as ordinary and necessary business expenses. Check with your accountant.*

Deadline – January 31, 2014

AEMA-ARRA-ISSA, #3 Church Circle – PMB 250, Annapolis, MD 21401  
 Phone 410-267-0023; Fax 410-267-7546  
[cerone@krissoff.org](mailto:cerone@krissoff.org)

# Meeting Registration Form



Please register the following for the AEMA-ARRA-ISSA 2014 Annual Meeting:

Name \_\_\_\_\_ Registered Spouse \_\_\_\_\_

Nickname for Badge \_\_\_\_\_ Nickname for Badge \_\_\_\_\_

E-Mail \_\_\_\_\_ Spouse E-Mail \_\_\_\_\_

Company \_\_\_\_\_

Telephone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_

Company Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_

Country \_\_\_\_\_

Shirt Size M L XL XXL 3XL 4XL

*Special needs requests regarding diet or access issues should be made directly to the hotel.*

## REGISTRATION FEES

Please send your check for the registration and activities fees to AEMA-ARRA-ISSA with this form.

	Before January 31	After January 31		
_____ AEMA-ARRA-ISSA Member .....	\$ 1,200.00	\$ 1,500.00	=	\$ _____
_____ Governmental, Educational .....	\$ 500.00	\$ 600.00	=	\$ _____
_____ Non-Member .....	\$ 1,700.00	\$ 2,000.00	=	\$ _____
_____ Spouse .....	\$ 400.00	\$ 500.00	=	\$ _____
_____ Non-Member Spouse .....	\$ 600.00	\$ 750.00	=	\$ _____
_____ Golf.....(handicap _____, spouse _____).....	\$ 250.00	\$ 300.00	=	\$ _____
<input type="checkbox"/> Yes <input type="checkbox"/> No Thursday AM Awards Breakfast* .....	\$ Free	\$ Free	=	\$ _____
<input type="checkbox"/> Yes <input type="checkbox"/> No Thursday Night Theme Party* .....	\$ Free	\$ Free	=	\$ _____

**\*No charge, but please indicate your plans to attend**

TOTAL REGISTRATION FEES (US Funds only) ..... \$ \_\_\_\_\_

PAYMENT METHOD: Check (Payable to AEMA-ARRA-ISSA) Credit Card (Fill in information below)

Mastercard VISA American Express

Account # \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name as it appears on card \_\_\_\_\_ CVV2 # \_\_\_\_\_

Please return this form to AEMA-ARRA-ISSA Headquarters no later than January 31, 2014  
Registration discount not available after that date - Please do not ask for it. Fax: 410-267-7546



# Register Early and Save \$\$\$



Asphalt Emulsion Manufacturers Association  
#3 Church Circle - PMB 250  
Annapolis, MD 21401 USA  
Telephone 410-267-0023  
Fax 410-267-7546  
Web www.aema.org  
E-Mail krissoff@aema.org



Asphalt Recycling & Reclaiming Association  
#3 Church Circle - PMB 250  
Annapolis, MD 21401 USA  
Telephone 410-267-0023  
Fax 410-267-7546  
Web www.arra.org  
E-Mail krissoff@arra.org



International Slurry Surfacing Association  
#3 Church Circle - PMB 250  
Annapolis, MD 21401 USA  
Telephone 410-267-0023  
Fax 410-267-7546  
Web www.slurry.org  
E-Mail krissoff@slurry.org

# Program Committee Announced for PPRS Paris 2015/ Members with Global Operations Urged to Plan Now

The PPRS Paris Steering Committee (Jean-Claude Roffe, Etienne LeBoutellier, Jim Moulthrop, and Mike Krissoff) are pleased to announce the appointment of the following representatives to the Program Committee:

IBEF	Bernard Eckmann Siobhan Mc Kelvey	<a href="mailto:bernard.eckmann@eurovia.com">bernard.eckmann@eurovia.com</a> <a href="mailto:siobhan.mckelvey@nynas.com">siobhan.mckelvey@nynas.com</a>
AEMA	Mike Hemsley Gaylon Baumgartner	<a href="mailto:Mike.Hemsley@ptsilab.com">Mike.Hemsley@ptsilab.com</a> <a href="mailto:gaylon.baumgardner@ergon.com">gaylon.baumgardner@ergon.com</a>
ISSA	Robert Jerman Carter Dabney	<a href="mailto:robert.jerman@mwv.com">robert.jerman@mwv.com</a> <a href="mailto:cdabney@slurrypavers.com">cdabney@slurrypavers.com</a>
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FP2	Larry Galehouse Rod Birdsall	<a href="mailto:galehou3@msu.edu">galehou3@msu.edu</a> <a href="mailto:Rbirdsall@asmg.com">Rbirdsall@asmg.com</a>

- "Transport infrastructure is much more than asphalt, concrete or steel; it is the backbone of national economies, providing connections for people and goods, access to jobs and services, and enabling trade and economic growth..."
- The Ministers recognize that "sufficient infrastructure investment and maintenance is required to ensure a robust, high-quality, sustainable transport system..."
- Preservation & Rehabilitation....More Miles, Less \$\$\$\$

The European members of the Program Committee are meeting with their colleagues in early January to build upon the framework already constructed. The US members will meet primarily by email, but also during the Transportation Research Board Annual Meeting and at the 2014 AEMA-ARRA-ISSA-PPRA Annual Meeting.

The Steering Committee is handling the opening general session and has already initiated dialogue with invitations to selected key individuals.

The first order of business was the decision NOT to issue a call for papers but, instead, to rely upon the expertise of the Program Committee to identify key technical issues and qualified persons to present those topics. The Program Committee is responsible for coming up with papers that represent all aspects of pavement preservation and recycling, with a truly global perspective.

PPRS Paris 2015 will address trends in the marketplace:

1. The road industry has been facing heavy challenges, especially since the 2008 financial crisis, especially in the industrial countries (e.g. U.S.A., Japan, Europe).
2. Public funds available for road construction and maintenance are scarcer and scarcer.
3. In the meantime, costs of materials and energy have increased dramatically.
4. Environment and social requirements are heavier and heavier

Although firm deadlines have not yet been set, it is the goal of the Steering Committee to have all aspects of this meeting wrapped up sooner rather than later. Aside from the list of expert speakers and a wide range of timely presentations, progress is being made on all other fronts. The PPRS Paris 2015 website will launch shortly after the first of the year, to be followed soon by the Sponsors & Exhibitors packet. Planners have also made strides in the logistical aspects of the meeting, and are examining pre- and post-conference activities, options for spouse programs, and a gala evening event.

AEMA, ARRA, and ISSA have approached their Supplier Members, particularly those with operations in Europe, to consider options to arrange post-conference activities at their manufacturing and laboratory facilities. Interested parties should contact AEMA-ARRA-ISSA-PPRA Executive Director Mike Krissoff at [krissoff@krissoff.org](mailto:krissoff@krissoff.org). The time to do so is now.

And a new mindset...Declaration of the European Ministers of Transport (2013)







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*The PPRA Fall Meeting Reception gave attendees a look at Gilley's Dallas. The original Gilley's building was featured in the 1980 film "Urban Cowboy", starring John Travolta and Debra Winger. That building was destroyed by fire in 1990.*



*Sean Abbitt, Tri-State Asphalt takes a ride on the mechanical bull at Gilley's Dallas*

# International Slurry Surfacing Association 2013 - 2014 Committees



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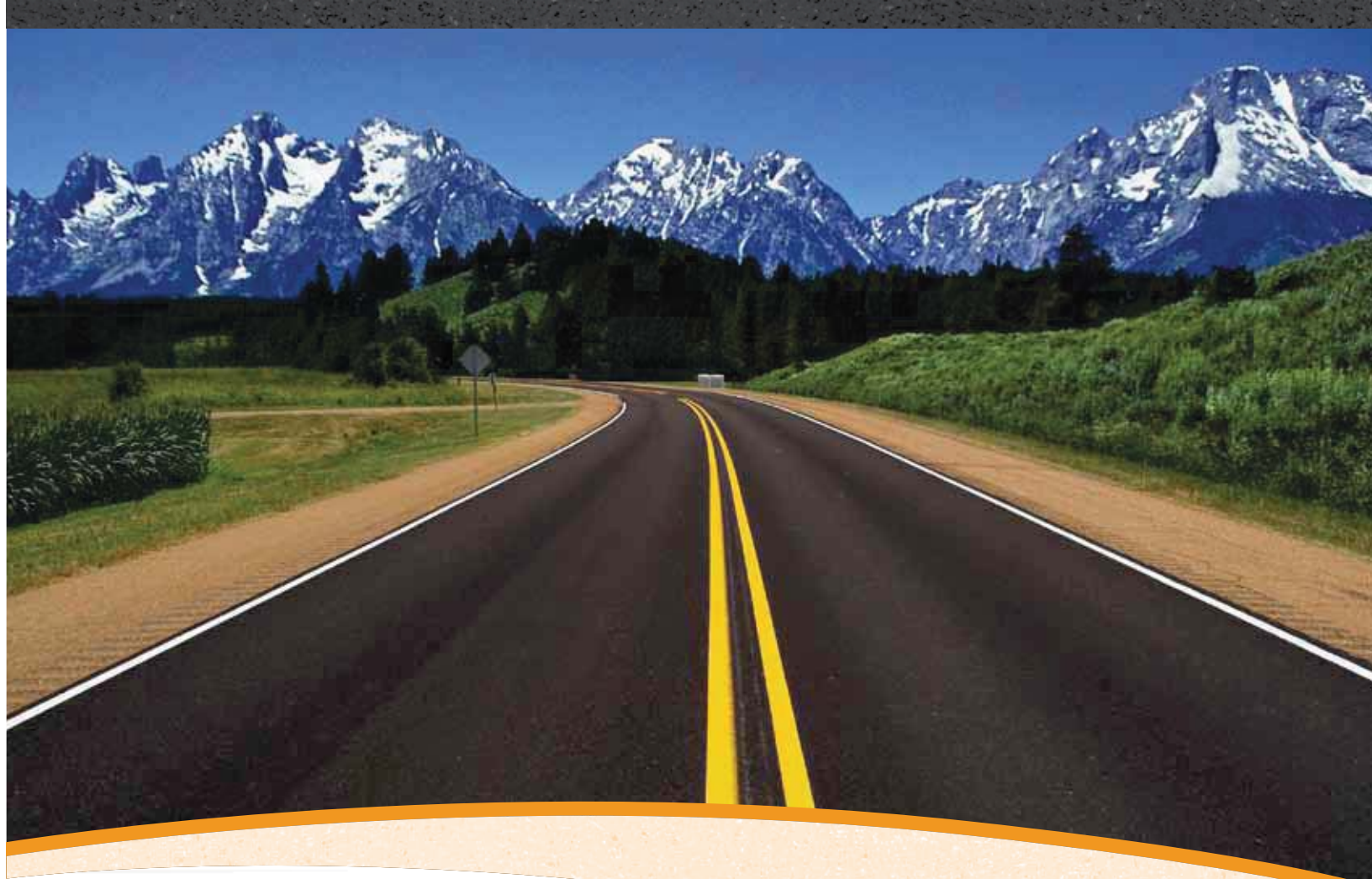
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## Request for Online Educational Videos

Headquarters would like to feature your links for online educational videos or presentations. Do you have them on your company website? People contact AEMA, ARRA, and ISSA constantly, seeking more detail about the materials, products, and processes we represent. We know that some of our member companies have gone to great lengths to build informative websites which showcase various pavement preservation, recycling, and reclaiming technologies. We'd like to publish this list but first must give all members the opportunity to be included. If you have such material available online, and if it is purely and generically informative and educational and not a sales pitch, please send an email message including the appropriate links to Executive Director Mike Krissoff at krissoff@krissoff.org. We'll take a look at what we receive and assemble the appropriate items into a list for publication.

Just have a look at what **Ergon** has done by visiting [www.savemyroad.com](http://www.savemyroad.com)

Please check out [http://pavinars.uark.edu/Previous\\_Pavinars.php](http://pavinars.uark.edu/Previous_Pavinars.php) - This link was sent to us by Andrew Braham, Ph.D., Assistant Professor, **University of Arkansas, Department of Civil Engineering**. Andrew has uploaded several one-hour presentations on various pavement topics (both flexible and rigid). These presentations are recordings of live presentations.

Lang Butler from Ruston Paving shared the following:

Our Recycling section on our website: <http://www.rustonpaving.com/Recycling.aspx>

Our FDR with Portland cement video: <http://www.youtube.com/watch?v=Sdq-pWLIMdw>

Our recycling brochures: <http://www.rustonpaving.com/RecyclingBrochures.aspx>

Our Blog for recycling: <http://press.rustonpaving.com/tag/recycling>

Thanks, Lang!



### Logo Available to Members

The AEMA Logo is available to AEMA members in an electronic version; we will be pleased to send you one. For an electronic version of the AEMA logo, contact krissoff@aema.org.



### ARRA Logo Available to Members

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To receive the new logo via e-mail, just send a note to ISSA headquarters: krissoff@slurry.org

# MASTER CALENDAR OF UPCOMING EVENTS

## 2014

Jan 12 – 16	TRB 93 <sup>rd</sup> Annual Meeting – <a href="http://www.trb.org">www.trb.org</a>	Washington, DC
Jan 21 – 24	Slurry Systems Workshop – <a href="http://www.slurry.org">www.slurry.org</a>	Caribe Royale - Orlando, Florida
Feb 25 – 28	AEMA-ARRA-ISSA Annual Meeting	The Turnberry Isle - Aventura, Florida
Mar 4 – 8	CONEXPO – <a href="http://www.conexpoconagg.com">www.conexpoconagg.com</a>	Las Vegas, Nevada
Apr 13 – 17	NACE – <a href="http://www.countyengineers.org">www.countyengineers.org</a>	Baton Rouge, Louisiana
Aug 17 - 20	APWA – <a href="http://www.apwa.net">www.apwa.net</a>	Metro Toronto Convention Centre – Toronto, Ontario
Nov 17 – 19	PPRA Fall Meeting	Hyatt Regency - Baltimore, Maryland

## 2015

Jan 20 - 23	Slurry Systems Workshop – <a href="http://www.slurry.org">www.slurry.org</a>	Texas Station Hotel & Casino – Las Vegas, Nevada
Feb 22 - 25	PPRA World Congress (AEMA, ARRA, ISSA, PPRA, IBEF, ICPP)	Concorde La Fayette Hotel - Paris, France
Mar 17-19	World of Asphalt – <a href="http://www.worldofasphalt.com">www.worldofasphalt.com</a>	Baltimore, Maryland
Aug 30 – Sep 2	APWA – <a href="http://www.apwa.net">www.apwa.net</a>	Phoenix Convention Center, Phoenix, AZ

## 2016

Jan 19 - 22	Slurry Systems Workshop – <a href="http://www.slurry.org">www.slurry.org</a>	Texas Station Hotel & Casino – Las Vegas, Nevada
Feb 23 - 26	AEMA-ARRA-ISSA Annual Meeting	Hyatt Regency Coconut Point - Bonita Springs, Florida
Nov 1 - 4	AEMA ISAET – <a href="http://www.aema.org">www.aema.org</a>	Hyatt Regency Crystal City, Arlington, Virginia

## 2017

Feb 14 – 17	AEMA-ARRA-ISSA Annual Meeting	Westin La Paloma, Tucson, Arizona
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## 2018

Feb 20 – 23	AEMA-ARRA-ISSA Annual Meeting	Renaissance Esmeralda, Indian Wells, California
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Updated November 26, 2013

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