





International Sustainable Pavements Workshop

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Participants

- → US (15) & Europe (8)
- Three major theme areas
 - ◆ Each has a "Champion"
 - Each has a Rapporteur

"Big picture" Issues

Sustainable (or "green") roadways	Tomas Harman (FHWA)	
Climate change impact on pavement engineering	Kamil Kaloush (Arizona State University)	
Measures of pavement sustainability, including	Kevin Gardner (University of New Hampshire) & Paulo Pereira (U Minho, Portugal)	
* Life cycle assessment of pavements systems and materials	Rapporteur = Tony Parry (U. Nottingham, UK)	
* Carbon footprinting	Howard Marks (National Asphalt Pavement Assoc.)	
Pavement-Vehicle interaction	Ulf Sandberg (VTI, Sweden)	
Sustainable pavement/ asset management, including	Champion = Gerardo Flintsch (Virginia Tech) & Maurizio Crispino (Politechnico di Milano, Italy)	
* Materials resource efficiency International Sustainable Pavements Wo	orkshop, Airlie Center, January 7-9, 2010	

Pavement Materials

Soil treatment with non-traditional stabilizers (e.g. enzymes),	Pauli Kolisoja (U Tampere, Finland)	
Pavement recycling, including		
* In-place cold recycling	Trenton Clark (Virginia DOT)	
* Use of high recycled content	Hussain Bahia (University of Wisconsin)	
* Concrete recycling	Bouzid Choubane (Florida DOT)	
Warm-asphalt technologies	Champion = John Harvey (University of California, Davis)	
Alternative binders (both hydraulicand bio-binders)	Christopher Williams (Iowa State University)	
Rubber recycling	Magdy Abdelrahman (North Dakota State University)	
Use of other secondary and recycled products in pavements	Rapporteur = Andrew Dawson (U. Nottingham, UK)	

Pavement Systems

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"Quiet" pavements	Larry Scofield (American Concrete Association) & Ulf Sandberg (VTI, Sweden)	
Perpetual pavements	Brian Ferne (TRL, UK)	
Innovative pavement systems, including pre-fabricated ones	David Lee (University of Iowa) & Champion = Martin van de Ven (TU Delft, Netherlands)	
* factory made, instantly deployable		
Special surfaces, including	Rapporteur = Kevin McGhee (Virginia DOT)	
* Thin surfacings	Manfred Partl (EMPA, Switzerland)	
* High friction surfacings		
Self-sustaining pavements	Eric Weaver (FHWA)	

Timetable

- → 2.5 days
 - → Thursday Plenary, Theme-by-theme
 - → Friday Subdivide into themes
 - Saturday a.m.
 - bring back findings
 - glue into "Agenda for Sustainable Pavements"
- Working days
- → Talking nights (!)

08:30	Introduction (<i>G Flintsch</i>) Charge (NSF/FHWA) Agree the Objectives and Outputs (<i>led by G Flintsch</i>)	Parallel Sessions: Review of Plenary Sessions (Rapporteurs) Discussion	Plenary Session: Presentation of Programs and Roadmaps (Rapporteurs) Discussion	
09:30	Break			
10:00	Plenary Session:	Break	Break	
10:30	Big Issues (Champion: G Flintsch)	Definition of research targets	Integrated roadmap	
11:00	Presentations (Invited	Selection of promising	Collaboration	
11:30	participants)	research themes	Short, medium, long term objectives	
12:00	Lunch	Lunch	Lunch	
12:30				
13:00	Plenary Session:	Parallel Sessions:	Departure	
13:30	Pavement Materials (Champion:	Feedback and Discussion (led by Champions)		
14:00	John Harvey (t.b.c.))	Prioritization of research		
14:30	Presentations (Invited participants)	objectives (to support research targets)		
15:00	Break	Break		
15:30	Plenary Session:	Parallel Sessions:		
16:00	Pavement Systems	To develop Programs and	多种社主主动社会	
16:30	(Champion: Martin van der Ven)	Roadmaps (led by Champions)		
17:00	Presentations (Invited participants)			
International Sustainable Pavements Workshop, Airlie Center, January 7-9, 2010				

Friday 8th January

Saturday 9th January

Thursday 7th January