

**Coventry University and
The University of Wisconsin Milwaukee Centre for By-products Utilization.**

**International Conference:
Sustainable Construction Materials and Technologies.**

Coventry UK on 11-13 June 2007

Conference Programme

Monday 11 June at 9.30 to 10.30		
	OPENING PLENARY SESSION	
Chairperson	David Fowler, The University of Texas at Austin	Goldstein Lecture Room. On Monday 11 June at 9.30 to 10.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Main	Koji Sakai	Contributions from Concrete Industry towards Sustainable Development.
Main	P. Claisse, E. Ganjian & H. Sadeghi-Pouya	Site trials of concrete with a very low carbon footprint
Main	Tarun R. Naik	Sustainability of the cement and concrete industries

Monday 11 June at 11.00 to 12.30

Chairperson	Jitendra Desai, Gujarat Ambuja Cements	George Elliot Lecture Room. On Monday 11 June at 11.00 to 12.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Special	T. Parhizkar, A.M. Raiss Ghasemi & A.A. Ramezani pour	Properties of the new type of HPC in simulated conditions of Persian Gulf
Main	Manish Mokal	Achieving sustainable construction through use of fly ash in concrete – An Indian experience
Main	Bruce W. Ramme, Thomas Jansen, Al Tawil & Daniel B. Anderson	“Eco-Pad” In-Situ mixed concrete pavement with a 93 - 100% total recycled content
Chairperson	The Nottingham Transportation Engineering Centre Session Nizar Ghazireh, Scott Wilson	Goldstein Lecture Room. On Monday 11 June at 11.00 to 12.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Special	I. Carswell & J. C. Nicholls, R. C. Elliott, J. Harris, A. D. Self	Feasibility of recycling surfacing materials back into thin surfacing systems
Special	R. Hooper, T. Kagga, J. Brown, P. Edwards & A. Dawson	The use of post-consumer tyres in public rights of way construction
Special	P. Jitareekul, S. Sunarjono, S.E. Zoorob & N.H. Thom	Early life performance of cement and foamed bitumen stabilised reclaimed asphalt pavement under simulated trafficking
Special	M.H Mohammed, G. Airey, A. Collop, T. Parry & C. Hayes	Synthesis of asphalt binders from renewable resources and their rheological properties
Special	I. Widyatmoko, A. Dunster & F. Moulinier	Performance & benefits from using waste plastic-based aggregate in asphalts

Chairperson	Tarun Naik, University of Wisconsin-Milwaukee	Hilman Lecture Room. On Monday 11 June at 11.00 to 12.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Main	C. H. Ng, Z. Ideris, S.P. Narayanan, M.A. Mannan & V.J. Kurian	Engineering properties of oil palm shell (ops) hybrid concrete for lightweight precast floor slab
Main	F. Tittarelli & G. Moriconi	Effect of GRP industrial waste on durability of cement mortars
memory stick	Saud Al-Otaibi, Moetaz El-Hawary & Ali Abdul-Jaleel	Producing lime-silica bricks from crushed concrete fines
memory stick	R. E. Rodríguez Camacho, R. Uribe Afif, H. J. Montaña Roman & A. Ponce Cordova	Alkali-silica reaction of recycled glass for using as concrete aggregate
Chairperson	Julia Stegemann, University College London	Humber Lecture Room. On Monday 11 June at 11.00 to 12.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Main	M.U. Christiansen & Carol Diggelman	An analysis of environmental and fiscal impacts of recycling during Kern Center construction
Main	Christian Meyer	The economics of recycling in the US construction industry
Main	G.C. Plunk P.E. & D.C. Goss	Impact of regulations on fly ash marketing in the United States
Supplementary	K. Kovler	Radiological constraints of using industrial by-products in construction
Supplementary	Eddy Smith, William E. Boone & Mamar Shami	Sustainable approaches to landfill diversion: the global sustainability of deconstruction

Monday 11 June at 14.00 to 15.30

Chairperson	Rudi Kraus, University of Wisconsin-Milwaukee	George Elliot Lecture Room. On Monday 11 June at 14.00 to 15.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Main	K. Sasaki, M. Ishii, Y. Butou & K. Yuno	Properties of shotcrete with highly functional fly ash used as dust-reducing agent
Main	L.K, A. Sear	The use of fly ash for enhancing durability and sustainability
Main	Taeseok Seo, Yoshiteru Ohno & Takao Nakagawa	Cracking Behavior of Concrete Containing Fly Ash Due to Drying Shrinkage
Main	Tamara F. Vandivort & Paul Ziemkiewicz	Potential uses for coal combustion by-products for sustainable construction materials
	Session in honour of Professor Giacomo Moriconi	
Chairperson	Mario Collepardi, Enco, Engineering Concrete	Goldstein Lecture Room. On Monday 11 June at 14.00 to 15.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Special	T. W. Bremner, J. P. Ries & W. H. Wolfe	Achieving sustainability with lightweight aggregates
Special	M. Collepardi, S. Collepardi & R. Troli	Properties of SCC and flowing concrete
Special	S.B. Desai	Towards a safe and sustainable concrete solution
Special	Y.-m. Chun, T.R. Naik, & R.N. Kraus	Carbon dioxide sequestration in concrete in different curing environments

Chairperson	Alejandro Duran-Herrera, Univ Autonoma De Nuevo Leon Monterrey	Hilman Lecture Room. On Monday 11 June at 14.00 to 15.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Main	V. Corinaldesi, S. Monosi & G. Moriconi	Effect of different recycled aggregates on mortar performance
Main	Salomon Levy & Paulo Helene	Durability of concrete mixed with fine recycled aggregates
Main	S. R. Sarhat	An experimental investigation on the viability of using fine concrete recycled aggregate in concrete production
Supplementary	N. García, R. Irusta, Y. Núñez & A. Moral	Environmental performance of waste based construction materials. LCA study
Supplementary	R. Kishore	Influence of recycled aggregate on flexural behaviour of reinforced concrete beams
memory stick	G. Fathifazl, A. Abbas, A.G. Razaqpur, O.B. Isgor, B. Fournier, S. Foo	Proposed Mixture Proportioning Procedure for Recycled Aggregate Concrete
Chairperson	Christian Meyer, Columbia University	Humber Lecture Room. On Monday 11 June at 14.00 to 15.30
<i>Proceedings Volume</i>	<i>Authors</i>	<i>Paper Title</i>
Main	S. Botic & C. Diggelman	Quantifying VOCs in products off-gassed during the construction of MSOE's Kern Center and proposed strategies for reducing employee exposure
Main	B.K.C. Chan & A.W.L. Dudeney	Biostore: towards sustainable composite waste reuse
Main	J.E. Maher & K.W. Kramer	LEED-NC version 2.2 rating system applications of common structural materials
Main	T.R. Napier, D.T. McKay & N.D. Mowry	A life cycle perspective on recycling construction materials (The most sustainable materials may be the ones we already have.)

