

RENEWBUILD2013- Ankara, Turkey, 16-18th September 2013

Conference Programme

Pre-Conference Reception Evening of 15 th September 17:00-19:30		
Day 1 16/09/2013		
8:00-9:30	Conference Registration/Refreshments	
9:30-10:30	Opening Ceremony & Plenary Session	
9:30-9:40	Chairs Welcoming Address	
9:40-9:50	Dean welcoming address	
9:50-10:00	South Wales University Presentation	
10:10-10:20	Gazi President Welcome	
10:20-10:30	Mini Concert	
10:30-10:50	Key Note Presentation	
10:50-11:10	Refreshments Break	
11:20-13:00	The innovative use of fibre, agricultural and other waste materials in construction (Parallel Session A) Chair- Prof John Kinuthia	Advances in cement, mortar and concrete research (Parallel Session B) Chair- Prof Abid Abu-Tair
11:20-11:40	Radical waste-based approaches towards sustainability in building and construction: Review of case studies J. M. Kinuthia , J. E. Oti	Effect of polymer latex on the physico-mechanical properties of ordinary Portland cement E. M. Negim , J. M. Khatib , K. K. Syrmanova , Sh. B. Baizhanova , N. E. Botabaev , A. M. Tuleuov
11:40-12:00	Recycled fibres: A sustainable alternate in concrete reinforcement V. Daas , D. B Tann , M. Datoo	Properties of lightweight aggregates made with cold bonded pelletization of fly ash, metakaolin, and cement E. Güneyisi , M. Gesoğlu , K. Mermerdaş , S. İpek
12:00-12:20	Effect of vinyl acetate water-soluble graft polymer on the rheological properties of Portland cement mortar E. M. Negim , J. M. Khatib , K. K. Syrmanova , Sh. B. Baizhanova , N. E. Botabaev , A. M. Tuleuov	Development of Portland cement substitutes from natural and artificial pozzolans N. Billong , E. Kamseu , P.N. Lemougna , U. Chinje Melo
12:20- 12:40	Using Local Kaolin Clay with Marble Dust and Construction Wastes to Develop an Eco-Concrete A. Abu-Tair , R. Maali , O. Surkhi	Utilizing x-ray computed tomography to examine macro void development in mortar samples R. Birgul , I. Tekin
12:40- 13:00		Lateral strength of masonry walls with openings: Analytical Approach M. Erdal , N. S. Işık , O. Can , Y. Koprman , A. Buyukkaragöz
13:00-14:30	Lunch Break	
14:30-16:10	Innovations in unfired and stabilised brick/blocks (Parallel Session C) Chair - Prof. Jamal Khatib	Standards, guidelines and policy issues on Renewable Energy (Parallel Session D) Chair - Prof. Mustafa İlbaş
14:30-14:50	Analysis of water absorption and expansion of composite compressed earth block C. Egenti , J. M. Khatib , D. Oloke	Legal Policies for Advancing Renewable Energy Technologies and Efficient Construction: Case of Turkey B. İşbir
14:50-15:10	High carbon fly ash and soil in a composite	Renewable Energy Policies of State under

	compressed earth block C. Egenti, J. M. Khatib, D. Oloke	Administrative Law Principles N. M. Çakmak
15:10-15:30	Suppression of Efflorescence in Portland Cement Mortar J.E Oti and JM kinuthia	UK Centre for Efficient and Renewable Energy in Buildings (CEREB)- Lessons Learned After 3 Years of Running I. Chaer , D. Tann, A. Dunn
15:30-15:50	Morphology and composition of the hydrated unfired brick J.E Oti and JM kinuthia	Energy Efficiency Legislation for Buildings in Turkey Ö. Kasap Keskin
15:50-16:10	The influence of heat curing on self- healing and strength enhancement of geopolymers based concrete M. K. Ali, A. I. Abu-tair , J. M. Kinuthi, Ryszard Babecki	Renewable resource based DG-unit allocation in distribution systems A. A. Şeker, M. H. Hocaoglu
16:10-16:30	Examination of thermal properties and failures of brick walls by the use of infrared thermography and hot box method R. Tuğla, A. Tavukçuoğlu, M. Arslan	Rammed earth construction materials incorporating waste plastic and stabilised with cement J. M. Khatib, E. Kufoin, S. Khatib, S. Nwaubani, S. Firat
16:10-16:30	Refreshments Break	
16:30-17:30	Site Visits	
18:00-19:30	Civic Reception	
Day 2 17/09/2013		
8:00-10:00	Conference Registration	
10:00-12:30	Recycled materials, Developments in the use of sewage sludge, waste water and other waste (Parallel Session E) Chair – Dr. N. Sinan Işık	Life-cycle assessment, Carbon dioxide emission and energy use (Parallel Session F) Chair - Prof. Andrew Geens
10:30-10:50	The Utilization of Raw Sewage Sludge (RSS) as a Water Replacement in Cement-Based Materials Incorporation Large Proportions of Fly Ash (90 and 180 Curing Days) A. Hamood, J. M. Khatib, S. Firat and C. Williams	Recovering of CO ₂ emissions in energetic restoration for housing buildings J. Antonio Ferriz Papi, L. Setti
10:50-11:10	Effects of gamma-ray irradiation on characteristics of municipal sewage sludge X. Shuibao, W. Yuqi, W. Jingsong	Analysis on Transmission Heat Loss in Hot Water system of Residential Building X. Shuibao and Q. Luo
11:10-11:50	Improvement of CBR Results by Using Waste Materials G. N. Sağlam, I. Vural, S. Firat, G. Yilmaz, J. M. Khatib	Application of Emulation Instruction in Engineering Education L. Qinghai, Z. Shukui, X. Shuibao
11:50-12:10	Engineering Properties of Cement-Based Materials Incorporating Raw Sewage Sludge (RSS) and High Loss on Ignition (High LOI) Fly Ash (365 Days Curing). A. Hamood, J. M. Khatib and C. Williams	Polyfunctional adsorbents obtainment technology development for oil, oil products and waste water quality characteristics increasing K.K. Syrmanova, N. E. Botabaev, Zh. B. Kaldybekova, S.A.Sakibayeva, K.Zh.Azhibekov
12:10-12:30	Lime activation of fly ash/metakaolin paste J. M. Khatib, C. Halliday, S. E. Negim, S. Firat	Novel admixtures for regulating setting times of alkali-activated Run-off Station fly ash S. Adu-Amankwah, J.M. Khatib, L.K.A. Sear and D. E. Searle
12:30-14:00	Lunch Break	
14:00-15:20	Sustainability, materials development and emerging technologies (Parallel Session G)	Construction materials and technologies delivered in Turkish language (Parallel Session K)

Chair - Dr Jonathan Oti		Chair - Prof. Dr. Gülgün Yılmaz
14:00-14:20	Consumption of raw materials and natural resources in the construction materials production J. Antonio Ferriz Papí, R. Hugo Prado Govea	Thermal and Compressive Strength Properties of Sepiolite Substituted Autoclaved Aerated Concrete M. Savaş, İ. Demir, S. Güzelküçük, Ç. Göktuğ Şengül, H. Yaprak,
14:20-14:40	Seismic Analysis of water absorption Analysis of water absorption steel liquid storage tanks by API-650 H. A. Altun, A. Gedikli	Earthquake Effect on the Pile Used For Slope Stabilization S. Fırat, B. Canik
14:40-15:00	A New Paradigm for Deep Sustainability: Biourbanism E. Tracada and A. Caperna	Improvement of Road Sub-base Fill by Using Waste Marble Dust and Fly Ash K. Ontürk, S. Fırat, I. Vural and J. M. Khatib
15:00-15:20	Sustainable Railway Track Asset Management and Life Extension Technologies B. J. Counter, A. Abu-Tair, D.B. Tann, A. Franklin	The Effect of Polypropylene Fibers on Mechanical Properties of Khorasan Mortars B. Işıkdag, İ.B. Topçu, S. Demirci
15:20-15:40	Sloshing in medium sized prismatic tanks subjected to earthquake loading E. Güray, G. Yazıcı	Çift Cidarlı Kompozit Kirişler ile İlgili Nümerik Bir Çalışma A. Büyükkaragöz , O. Doğan
15:40-16:00	Evaluation of Sustainability Building Construction Standards of The European Union G. Durmuş, S. Önal	
15:40-16:00	Refreshments Break	
16:00-17:30	Site Visits	
19:00-20:00	Conference Banquette	
Day 3 18/09/2013		
8:00-09:15	Conference Registration	
9:15-10:00	Industrial Presentation	
9:15-9:30	Industrial Presentation 4	
9:30-9:45	Industrial Presentation 5	
9:45-10:00	Industrial Presentation 6	
10:00-10:30	Refreshments Break	
10:30-12:20	Emerging new technologies for the oil and gas sector and for road application (Parallel Session I) Chair – Dr B.J. Counter	Construction materials and technologies delivered in Turkish language (Parallel Session J) Chair - Prof. Seyhan Fırat
10:30-10:50	The development of composite polymer materials for anti-corrosion protection of oil and gas pipelines K.K. Syrmanova, El-Sayed M. Negim A. M. Tuleuov, G.Sh.Erkebayeva, A. Bitemirova	A Study on the Stiffness and Damping Characteristics of Sand/Rubber Mixtures under Dynamic Loading Conditions S. U. Umu, D. V. Okur, G. Yilmaz, S. Fırat
10:50-11:10	Increasing Compaction Properties of Road Subbase Fill Using Waste Materials of Steel Slag and Fly Ash I. Vural, G. N. Sağlam, S. Fırat, G. Yilmaz, J. M. Khatib	The Effects of Different Aggressive Conditions on Boron, CEM I and CEM IIIA Cement Mortars H. Yaprak, İ. Demir, G. Kaplan
11:10-11:30	Effects of GGBS and PFA on Portland Cement for Sustainable Oil Well Cementitious paste N. N. Amucheazi, J.M. Kinuthia, A. I. Abu-Tair, J. E. Oti, J. Bai	The utilizability of pumice and zeolite applied concrete on MgSO4 effect exposed-Rigid Pavement coatings K. Yıldız, C. Demirel
11:30-11:50		Fotovoltaik Güneş Pillerinin Karakteristikleri M. Özbay, Ö. Özbay, M. Şengül

	Poster
	Photovoltaic Diode Parameters of Au/n-GaP and Au/n-GaAs Contacts M. Özer , T. Güzel , H. Yücel Kurt
	Quality criteria for housing of low income groups within the prospect of European dimensions F. Aybar Özmen
11:50-12:20	Chairs Closing Address
12:20-13:30	Lunch & Departure