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Organised by:
BACKGROUND INFORMATION

Today, cement and concrete experts are at the cutting-edge to sustainable, green, healthy but nonetheless high-performance concrete. Concrete is the only building material that can overcome the future challenges for the African construction sector, namely an enormous need for infrastructure and housing in a geographically and climatically demanding environment. In Africa there is no long lasting tradition of building with concrete. This offers the unique opportunity to build up a cement and concrete market based on the highest available state of technology. A central issue in implementing skilled technology is cross-linking research institutions, laboratories, experts, industry, and policy making bodies.

ACCTA aims to cross-link these parties with the objective to establish a sustainable cement and concrete construction sector in Africa. ACCTA is initiated through the SPIN project which is acronym for Spearhead network for innovative, clean and safe cement and concrete technologies.

SPIN PARTNERS

BAM Federal Institute for Materials Research and Testing, Germany
University of the Witwatersrand (WITS), South Africa
University of Burundi (UBB), Burundi
Kigali Institute of Science and Technology (KIST), Rwanda
University of Dar es Salaam (UDSM), Tanzania
Department of Geological Survey and Mines (DGSM), Uganda
University of Lubumbashi (UNILU), Democratic Republic of Congo
Eduardo Mondlane University (EMM), Mozambique
Advanced Cement Training and Projects cc (ACTP), South Africa
Eindhoven Technical University (TU/e), Netherlands
Institut IGH d.d. (IGH), Croatia

Conference Themes:
1. State-of-the-art of concrete technology in developing countries
2. Characterisation of cementitious materials
3. Mixture composition, additives and chemical admixtures
4. Innovative use of concrete and high performance concrete
5. Natural materials and innovative technologies for concrete
6. Design and evaluation of structural and durability behaviour of concrete elements
7. Durability and structural evaluation of concrete structures
8. Concrete technology for sustainability and energy efficiency
9. Rehabilitation and maintenance
10. Education, standardisation, future research and visions for construction technology in developing countries
11. Social, economic and environmental aspects of cement, concrete and concrete construction

Conference, Workshop Structure & Language:
Plenary lectures, oral presentations and posters. All texts will be in English.

Abstracts for the Conference:
Interested authors are requested to submit short abstracts (not more than 300 words) of their proposed papers to:

Lubica Korac (Secretary)
Email: info-spin@bam.de
Tel.:+271171777132

Publication:
After the review process, all accepted papers will be published in the conference proceedings which will have an ISBN. Selected papers will be further published in the International Journal of Engineering Research in Africa for an additional fee of $140 per paper.

Conference Fees:
Students: USD 180
Early Bird (Before Sept. 30, 2012): USD 450
Normal Registration: USD 550

Important Dates:
Abstract submission: March 31, 2012
Acceptance of abstract: May 15, 2012
Full paper submitted: August 15, 2012
Acceptance of paper: October 15, 2012
Advanced registration: Before – Dec 15, 2012

Key Note Speakers:
To be announced

Pre Conference Workshop:
Jan 24 – 26, 2013
1. Concrete technology
2. Durability, assessment and concrete repair
3. Reinforced concrete design
4. Structural masonry design and masonry materials
5. Cement and concrete production
6. Green concrete

Post Conference Tours:
Jan 31 – Feb 3, 2013
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Venue:
The host city Johannesburg is considered the economic capital of South Africa. The conference venue, the Emperor’s Palace resort is conveniently situated near the International Airport.
http://www.emperorspalace.co.za/