



INTRODUCTION

The continuous growth in the construction industry due to the increasing demand has imposed substantial economic and environmental implications. This has motivated significant research efforts on novel materials and their applications in construction for a more sustainable, economic, greener and durable built environment. Innovative building material research has achieved significant leaps over the last decade. This conference is the second of a planned series of conferences aiming at gathering and sharing multi-scale thematic researches on innovative building materials ranging from altering material properties using nano-technology to the performance of macro elements and structural systems.



OBJECTIVE

The conference aims to stimulate international collaborative research on innovative building materials and their novel applications in construction. The conference provides an avenue for researchers, scientists and practicing engineers from across the globe to share and exchange ideas and experience in cutting edge innovative building material research and practice.



CONFERENCE CONTACTS

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2nd

INTERNATIONAL CONFERENCE ON INNOVATIVE BUILDING MATERIALS



Conference Chairman

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Chairman, Housing & Building National Research Center

Conference Vice-Chairs

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Prof. Ahmed El Gabry Head, Building Materials & Quality Control Institute

Conference General Secretary

Prof. Hosam Elkarmoty **Dr. Anwar Mahmoud**



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INTERNATIONAL CONFERENCE ON INNOVATIVE BUILDING MATERIALS

DEC 2-4 2018

Cairo, Egypt



Call for Participation



CONFERENCE THEMES

- 1- Low Cost Building Materials
- 2- Novel Applications of Blended Cements
- 3- Ultra High Performance Concretes
- 4- Shape Memory Alloys
- 5- Applications of Nanotechnology in Building Materials
- 6- Structural Elements from Innovative Materials
- 7- Recycling in Building Construction
- 8- Material Science & Microstructural Aspects
- 9- Green Building Materials
- 10- Quality Control in Mega-Structures
- 11- Durability of Novel Building Materials
- 12- Innovative Materials in Repair Applications
- 13- Fracture Mechanics of Innovative Materials
- 14- Fire Performance of Building Materials
- 15- Innovations in Concrete Admixtures
- 16- Geopolymers and Clinker-Free Cements
- 17- Computer-Aided Material Multi-scale Modeling
- 18- Sustainability and Environmental Aspects in Construction
- 19- Special Concretes
- 20- Materials in Lifelines, Pavements and Infrastructures

VENUE

The conference will be held at Royal Maxim Kempinski Hotel located in New Cairo Area. Cairo is located at the apex of the River Nile Delta and it can be reached by international airlines from most major cities in the world. The conference is organized by the Building Materials Research Institute, BMI, of HBRC. HBRC is the largest building research institute in North Africa and the Arab Region. HBRC researchers conduct multidisciplinary research in the areas of structural engineering, mechanics and materials, architectural engineering, mechanical engineering, and environmental engineering as they relate and serve the construction industry. Besides, HBRC is the sole authority in Egypt to author and publish building codes and standards. Learn more about HBRC by visiting:

www.hbrc.edu.eg

EXHIBITION

The conference will provide an opportunity for international and local companies to display their latest products, services and projects related to Innovative Building Materials.

IMPORTANT DATES

- Call for Papers 15 April, 2018
- Abstract Deadline 30 June, 2018
- Acceptance of Abstracts 15 July, 2018
- Early Bird Registration 20 July, 2018
- Full Paper Deadline 15 August, 2018
- Full Paper Acceptance 15 September, 2018
- Late Registration Deadline 1 October, 2018
- Revised Paper Deadline 15 October, 2018
- Revised Paper Acceptance 1 November, 2018

REGISTRATION

International Delegates

Early Bird \$400 Late Registration \$475 On-site \$550
Students (with valid ID) \$50 Guests \$200

Local Delegates

Early Bird 600 EGP Late Registration 650 EGP
On-site 700 EGP
Students (with valid ID) 350 EGP Guests 500 EGP
Full conference registration fees include proceedings CD, refreshments & lunches for all participants and also a welcome reception for non-students. Please refer to conference contacts to confirm your registration.

PAPER SUBMISSION

Abstracts of no more than 250 words and full papers should be submitted electronically in MS word format. Manuscripts should not exceed 12 pages formatted on A4 paper size. The text should include the title, authors' names, affiliations, and their email addresses. Abstract and paper templates are available on HBRC website at www.hbrc.edu.eg

LANGUAGE

The Conference official language is English. Special Arabic sessions will be arranged for distinguished Arab country manuscripts.

CONFERENCE PROCEEDINGS

Selected high quality papers may be considered for publication in the Housing & Building National Research Center Journal, published by Elsevier.

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