

Cemtech TECHNICAL WORKSHOPS

JW Marriott Marquis, Dubai, UAE

18-20 FEBRUARY 2018

INTERNATIONAL CEMENT CONFERENCE

Cemtech

PRODUCTION EXPERTISE - MANAGEMENT SKILLS



Cemtech is organising **two** technical workshops alongside the main **Cemtech MEA 2018** conference over 18-20 February 2018 at the JW Marriott Hotel Dubai (UAE).

Dedicated to best practice in cement manufacture, these classroom-based courses will offer cost-effective training for anyone involved in plant operations, from plant manager to junior engineer.

Workshop A. 18-19 February: Fuels, combustion and emissions

Workshop B. 19-20 February: Grinding technologies and product development

Workshop A: Fuels, combustion and emissions

Outline course programme

Part I: Fuels and combustion, including alternative fuels

- Process requirements of cement kilns and cement kiln fuels
- Combustion in a cement kiln
- Fuels for firing a cement kiln and their key properties
- Fuel preparation for firing kilns
- Impact of fuel and combustion on clinker quality
- Economic requirements of kiln fuels
- Alternative fuels and their impact on economics, process and product

Part II: Cement kiln emissions and their mitigation

- Cement kiln emissions: simple and complex, benign and noxious
- Volatility of inputs to kilns
- Cyclical processes in kilns
- Emission mitigation technologies

Sunday, 18 February — 08:30–16:30h

Monday, 19 February — 08:30–12:30h

Duration: 1½ days

Fee: US\$995 / EUR835 / GBP750 per participant

Fee includes lunch on Sunday, 18 February and coffee breaks

Workshop B: Grinding technologies and product development

Outline course programme

Part I: Grinding technologies and optimisation

- The process requirements for material grinding in cement manufacturing
- The energy requirements for material grinding in cement manufacturing
- Fineness control and optimisation
- Grinding technologies deployed in the cement manufacturing process:
 - ball mills, vertical roller mills, horizontal roller mills and roll presses
- Optimisation requirements:
 - ball mills, vertical roller mills

Part II: Product development and supplementary cementitious materials

- The economic case for product development in cement manufacturing
- The technical case for product development
- The supplementary materials palette and the options available
- Key success factors for a product development strategy

Monday, 19 February — 13:30–17:30h

Tuesday, 20 February — 08:30–16:30h

Duration: 1½ days

Fee: US\$995 / EUR835 / GBP750 per participant

Fee includes lunch on Tuesday, 20 February and coffee breaks

Register online at www.Cemtech.com/MEA2018/Workshop

Training Format

The format of these technical training workshops will be a series of lectures provided by the course tutor, interspersed with exercises to illustrate and practise the concepts discussed in the lectures. Open discussion forums will be encouraged following each lecture and exercise. The exercises will be largely Microsoft Excel based, therefore, participants should bring their laptop or arrange to complete the exercises jointly with another participant.

The workshops will be of interest to both the technical and managerial staff of cement companies. Guidance will be provided in the completion of the exercises which will be within the compass of all delegates to Cemtech conferences.

Venue and Accommodation

The training course will take place at the JW Marriott Marquis, Dubai (UAE). A specially-discounted room rate from AED700 per person per night will be available to those wishing to stay at the JW Marriott Marquis. Booking details will be sent upon registration. For other hotel recommendations at different budget levels, please contact the organisers.



Course Tutor Biography

Dr Michael Clark is a leading cement plant operations and technology specialist with over 40 years' experience in the cement industry. His skills cover the whole process of cement manufacturing from quarry planning, through clinker production, cement grinding and distribution. He is regarded as the leading international expert in problem identification and efficiency improvements throughout the manufacturing process.

With a PhD in the manufacture of white cement, Dr Clark's career highlights include senior operational positions within Blue Circle Industries and ABB Linkman Systems Ltd, after which he founded Whitehopeleman (UK), an international consultancy specialising in the cement industry. In addition, Dr Clark is Technical Consultant for International Cement Review and Moderator of the CemNet.com e-Learning suite of training courses.

Dr Clark has worked in over 30 countries around the world in Asia, Africa, Australia, the Americas, eastern Europe and the Middle East.

Registration Fee

Workshop A: US\$995 / EUR835 / GBP750 per participant

Workshop B: US\$995 / EUR835 / GBP750 per participant

Combined Workshops A&B: US\$1495 / EUR1285 / GBP1125 per participant

Participants will be provided lunch and refreshments on each day of the training course.

Register online at www.Cemtech.com/MEA2018/Workshop



FREE to participants: Technical Workshop Manual with Excel plant simulation models.

PLUS a complimentary copy of The Cement Plant Operations Handbook, 6th Edition, published by International Cement Review.

For more information and to register, please contact the course director at info@cemtech.com

For programme details and workshop registration, visit:

www.Cemtech.com/MEA2018/Workshop

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