

FUNDAMENTALS OF CONCRETE

A customized training program developed especially for industry personnel who need fundamental yet practical concrete knowledge.

17-18 April 2019

ASHGHAL TRAINING CENTER
NEJMA DISTRICT – Doha, Qatar



In Collaboration with



PART OF A SERIES OF TRAININGS RELATED TO CONCRETE
FUNDAMENTALS, PROPERTIES, TESTING AND DURABILITY

Accredited by American Society for Testing & Materials (ASTM)

Presented by:
Mr. Michael Caldarone
Principal Engineer, Concrete & Cementitious-based Materials Group
CTL Group - USA

COURSE PROGRAM



Day 1

Fundamentals of Concrete

- Material Selection
- Fresh & Hardened Concrete Properties

Materials

- Portland Cement
- Supplementary Cementing Materials
- Aggregates
- Admixture

Laboratory Exercise

- Use of Chemical Admixtures
- Use of Supplementary Cementitious Materials

Placing/Curing of Concrete

- Delivery Considerations
- Placing Equipment
- Vibration & Consolidation
- Hot Weathering Concrete



Day 2

WHO SHOULD ATTEND

- Government Officials
- Engineers
- Consultants
- Design Professionals
- Main Contractors
- Specialized Contractors
- Construction Supervisors
- QA/QC Inspectors



- Design, prepare and test concrete mixtures
- Observe first-hand how chemical admixtures and SCMs are used to enhance concrete proportions
- Discover how construction practices and weather impact concrete strength & durability

Mr. Caldarone is a Principal Engineer in the Concrete & Cement-Based Materials Group. His services include providing professional consultation related to specifications, concrete and other cement-based mixture development, material-related forensic investigations, a long history of litigation support and expert witness testimony, and mentoring. His career experience includes the manufacturing of portland cement precast, pre-stressed and ready-mixed concrete. He has strong experience in chemical admixture technologies, the manufacturing, distribution and use of all mainstream mineral admixtures for concrete.

His other areas of expertise include very strong emphasis in high-strength and high performance concrete, mass concrete, underwater-placed concrete, durability engineering of both new and existing concrete structures, and development of concretes to meet specific performance criteria. He has been a member of the American Concrete Institute for 35 years, a Fellow of the Institute, a past Chairman of ACI Committee 363 on High-Strength Concrete, and an active member of several other ACI committees.

LECTURER



Organized by



A 3rd party testing laboratory and specialty testing firm that provide various services and solutions related to engineering and material science.



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COURSE FEES

- ❑ 1 Attendee: 3,500 QAR / person
- ❑ 2 Attendees: 3,250 QAR / person
- ❑ 3 or more Attendees: 3,000 QAR / person

Cost includes class and hands-on training, handouts, lunch and certificate from ASTM

COURSE VENUE

ASHGHAL Training Center
Najma Street (Najma District)
Doha – State of Qatar

CONTACT US



For more information about the course

Email: events@ctlgroupqatar.com
Phone: **+974 – 4037 0130**
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Website: www.ctlgroupqatar.com/events

REGISTRATION & PAYMENT

If you are interested in attending this 2-day training program, please log to www.ctlgroupqatar.com/events and register the below details

Full Name _____
Company _____
Job Title _____
Address _____
Tel: _____
Mobile: _____
Email: _____

After you had completed your online registration, please wire-transfer the course fees to below bank account and email a copy of the transfer to us (Only wire transfers are accepted)

Name **CONSTRUCTION TECHNOLOGY LAB GROUP**
Bank: **THE COMMERCIAL BANK OF QATAR (Q.S.C)**
Bank A/C no. **4570 477376 001**
Bank Address **P.O.Box 3232, Doha, State of Qatar**
IBAN **QA14 CBQA 0000 0000 4570 4773 7600 1**
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