The Institute of Concrete Technology

Raman Mangabhai
President of ICT
The Institute of Concrete Technology

Delivering experience and professionalism to the construction industry
What is the ICT?

- The concrete sector’s professional development body since 1972.
- A professional institute for suitably qualified individuals.
- An awarding body for qualifications in concrete technology.
- A facilitator of CPD and networking opportunities.
What does ICT do?

The Institute's mission is:

“to preserve and promote concrete technology as a recognized engineering discipline and consolidate the professional status of practicing concrete technologists worldwide.”

It fulfils a range of functions to enhance the professional status and career prospects of its members.
Development of Knowledge in the field of cement & concrete

- Organises an annual convention and other technical meetings throughout the year, often with world-class experts in their field
- Publishes technical notes, articles and conference papers in a *Yearbook* and on its website
- Generates an archive of original research
Continuing Professional Development

ICT organises technical events, assessed for CPD value.

Certificates are available to participants and the Institute upholds a requirement for members to maintain a record of CPD.
Networking opportunities with professional contacts
Professional Status
as a Chartered Engineer

The Institute of Concrete Technology is proud to be a Professional Affiliate of the Engineering Council.

Corporate Members of the Institute can achieve registration with the Engineering Council, as a Chartered or Incorporated Engineer, via our joint membership arrangement with the Society of Environmental Engineers.

To achieve this the ICT offers a range of qualifications
Qualifications in Concrete

The ICT provides a framework to qualify in concrete technology at a number of occupational levels:

- Sets the syllabuses for qualifications
- Guides on appropriate course providers
- Helps with mentors and sponsors
- Holds and marks examinations
- Awards qualifications and designatory letters
Concrete Technology & Construction

The ICT’s scheme operates in four seamless stages allowing progress through to your required level of qualification. Membership of the ICT brings the entitlement to add designatory letters to your name.
Stage 1 Concrete Practice

- 19 Units containing:
  - composition & properties, production and quality control
- Examination with multiple choice questions and lasting 1.5 hours
Stage 2- General Principles

- 1 Constituents of concrete - 11 units
- 2 Properties of Concrete – 8 units
- 3 Concrete Production and use – 9 units
- 4 Construction practice – 8 units

- As Stage 1 but covered in more detail and additional topics
- Written paper lasting 3 hours
Stage 3 Practical applications

Five modules:

- New developments in material
- Concrete performance
- Testing and quality control
- Construction Management
- Special processes

Written paper lasting 3 hours
Stage 4 Advanced Diploma in Concrete Technology

- MSc level study of an extensive range of aspects of concrete: Materials, properties, mix design, production, special concretes, quality concrete, durability
- Private study and group assignments or individual assignment or project
- Two written examination papers, each lasting 3 hours -
  - Paper 1 Material Technology
  - Paper 2 Application and process
- Additional assessment by extended project or individual assignments
Stage 1
Concrete Practice
Examination – 10 June 2015
Closing date for registration: 29 May 2015

Stage 4
Advanced
Concrete Technology Examinations – 7 & 8 July 2015
Closing date for registration: 12 June 2015
Interested? Who should join?

Anyone involved in the specification, supply or construction of concrete or its constituent materials, who wishes to attain a qualification in the subject of concrete technology and receive recognition and reward for their expertise.

*Membership is available at appropriate grades to suit successive stages on your career path.*
Qualifications are linked to Membership Grades

- **STAGE 1**
  - Concrete Practice

- **STAGE 2**
  - General Principles

- **STAGE 3**
  - Practical Applications

- **STAGE 4**
  - Advanced Concrete Technology

- **Member**
  - MICT

- **Fellow**
  - FICT

- **Associate**
  - AMICT

- **Affiliate**
  - AffICT

- **Technician**
  - TechICT
Membership in Education

- **Student membership**
  is available for school leavers working in the concrete industry towards technician grade and undergraduates working towards an appropriate university degree containing a significant concrete technology component.

- **Graduate membership**
  is available for those holding a relevant degree containing a significant concrete technology component.
Getting involved

Your experience of the Institute can range from the purely passive, to the involved and active, dependent on your circumstances and inclination:

- Study and/or research for qualifications
- Use of designatory letters and receipt of *Yearbook*, newsletters and other communication
- Informal networking on occasion
- Attendance at Convention and technical meetings
- Active roles on Council and committees
Benefits of membership

Learning
Qualifications
Recognition of status
Professional development
Networking
Career progression
Achievement
On the 12th of January, at a ceremony held at a University College London open day, President of ICT Prof. Peter Hewlett signed a Memorandum of Understanding with two other parties to extend the range of courses that offer routes to the ICT Diploma, corporate membership of the Institute and eventually Chartered Engineer status. Professor Hewlett said:

“This day, the 12th of January, is significant for the ICT, the University College of London (UCL) and the China Concrete and Cement Products Association (CCPA). By signing this Memorandum of Understanding all the parties have agreed to provide the means for candidates from China to obtain Chartered Engineer status by way of a course offered by UCL, based on the course objectives and syllabus of the ICT (CTeC Stage 4).

Through the ICT’s Diploma and the Institute’s affiliation to the Society of Environmental Engineers there is a route to Chartership recognized by the UK’s Engineering Council.

Initially the CCPA will bring candidates up to Associate Membership level of the ICT (CTeC Stage 3) before attending the course at the UCL.

“This new provision represents unique co-operation between all three parties, in particular Dr. Yun Bai of UCL, Prof. Xu of the CCPA, as well as the ICT.”

Prof Peter Hewlett, President

Contributors

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ICT Year book
Published annually
• ‘Face to Face’ interview
• Papers from ICT Convention and Technical meetings
• ‘Milestones in Concrete Technology’ series
• Summary of ACT reports
Annual ICT Convention
Recognition by peers
Election as Honorary Fellow
The Institute of Concrete Technology

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