

THE INSTITUTE OF CONCRETE TECHNOLOGY

UK based but global in operation.



Our mission:

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

THE ICT




- ▶ **A dispersed professional network, with service support provided by The Concrete Society**
- ▶ **International Membership - including Australia, Hong Kong, India, Ireland, Kenya, Netherlands, New Zealand, Singapore and South Africa...**
- ▶ **A wide range of occupational specialists through a series of concrete qualifications: Lab Technicians, Production Staff, Commercial Reps, Engineers, Technical Managers...**
- ▶ **International Conference on Concrete Technology starting in Oman in Nov 2017**

THE ICT...





What does ICT offer?

- ▶ **Qualifications at several levels**
- ▶ **Development of knowledge**
- ▶ **Networking forum**
- ▶ **Access to specialist information**
- ▶ **Career opportunities**




The Institute of Concrete Technology
The professional wing of The Concrete Society

What could the ICT offer you?



Learning
Qualifications
Recognition of status
Professional Development
Networking
Career progression
Achievement

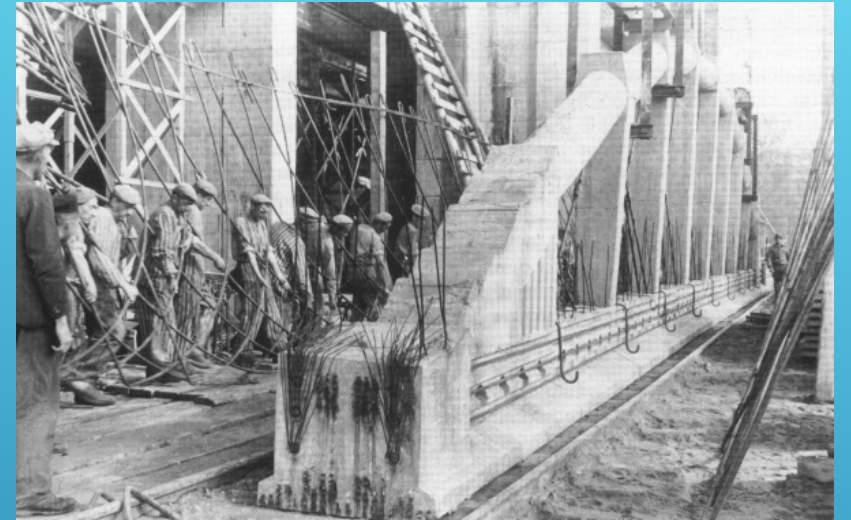


Working in partnership

SERVICES



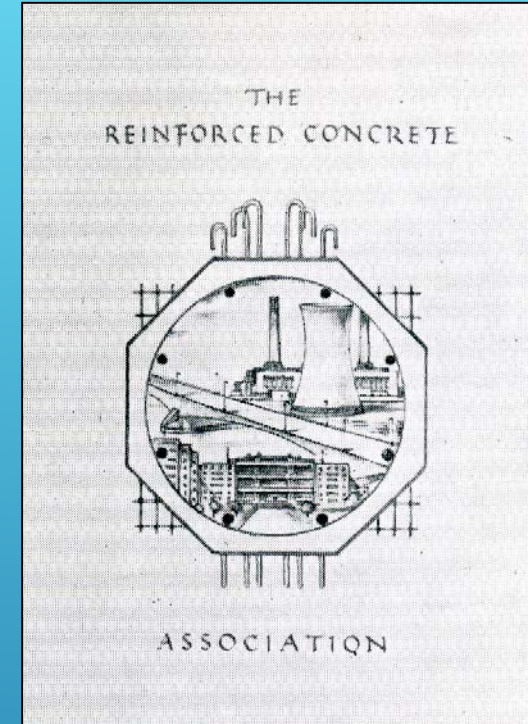
- ▶ The need for developing and recognising the expertise of supervisors and practical specialists in concrete was recognised in the 1930s (the RCA scheme) and has been acutely felt since the 1950s
- ▶ In 1953, basic concrete training was the subject RCA members were “most desirous of discussing”



HISTORY



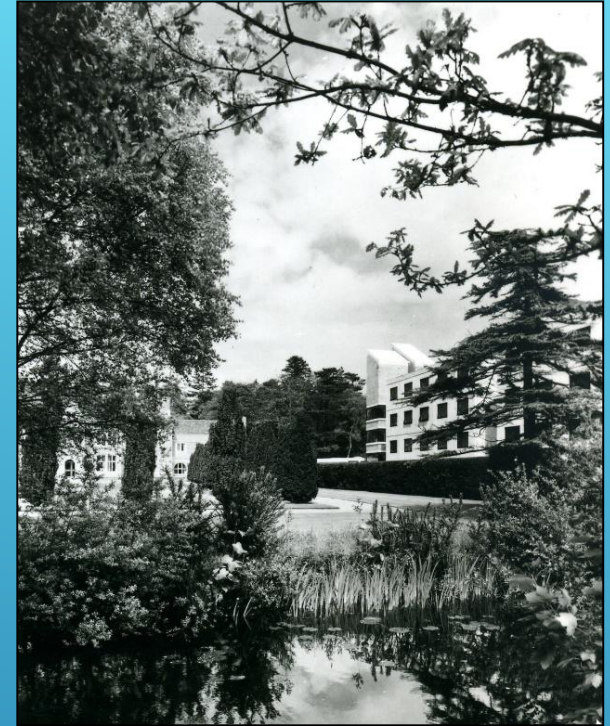
- ▶ **Grade I Introduced by the City & Guilds of London Institute in 1955, at the request of the Reinforced Concrete Association, on behalf of the concrete industry**
- ▶ **Grade II added in 1956**
- ▶ **RCA appointed examiners and course moderators**



CONCRETE PRACTICE



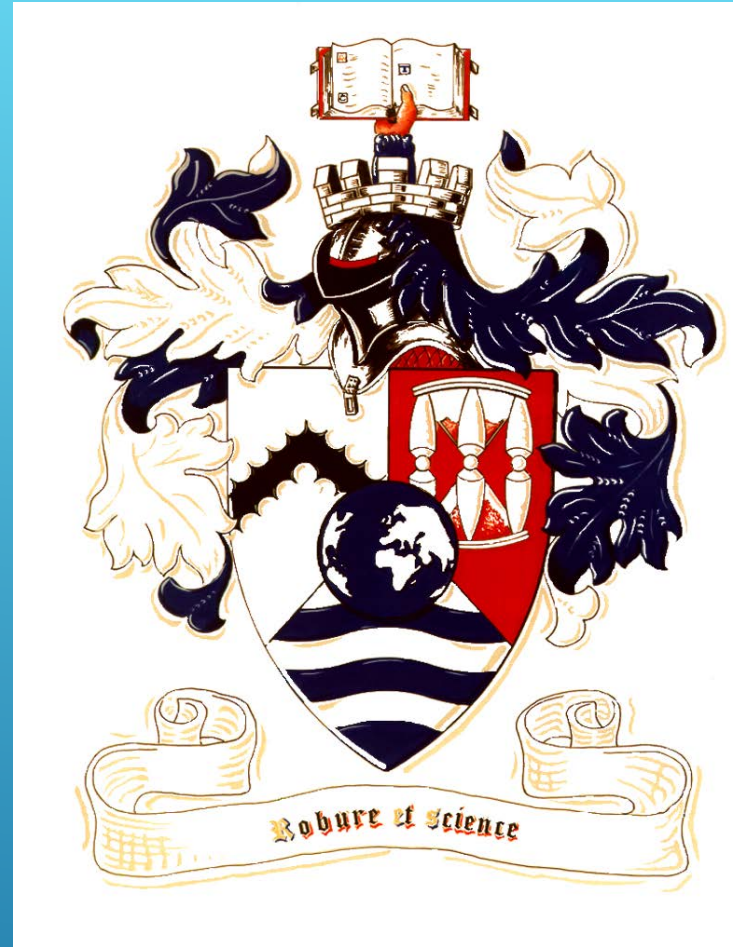
- ▶ Introduced by the Cement & Concrete Association in 1971
- ▶ Originally awarded by City & Guilds
- ▶ Residential courses held at Fulmer Grange – the ‘University of Concrete’



ADVANCED CONCRETE TECHNOLOGY



- ▶ Successful course participants set up the ACT, later renamed the ICT, to promote the professional status of qualified concrete technologists



THE ASSOCIATION OF CONCRETE TECHNOLOGISTS



- ▶ **Development of expertise**
- ▶ **Recognition of attainment**
- ▶ **Portability between jobs**
- ▶ **Development of professionalism**



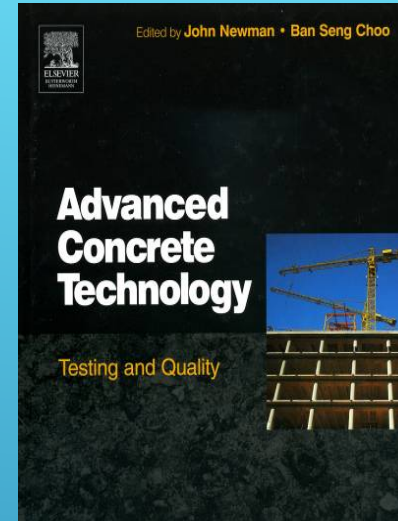
RECOGNISED QUALIFICATIONS



- ▶ Development of syllabi / learning objectives
- ▶ Setting and moderated exam questions
- ▶ Administering the annual examinations
- ▶ Marking completed exam scripts
- ▶ Awarding qualifications

But - NOT a training course provider

ICT'S ROLE IN QUALIFICATIONS



- ▶ **Stage 1 – Concrete Practice**
- ▶ **Stage 2 – General Principals**
- ▶ **Stage 3 – Practical Applications**
- ▶ **Stage 4 – Advanced Concrete Technology Diploma**

FOUR LEVELS



A number of global course providers at present:

- ▶ **Talent – on-line modular course**
- ▶ **Leeds University (MSc / Postgraduate Diploma)**
- ▶ **C&CI (South Africa)**
- ▶ **CCAA (Australia)**
- ▶ **Companies such as Cemex, Excalibur (UAE), Hanson, Lafarge, RMC (India) and Tarmac – *some of which take external candidates***



COURSE PROVIDERS



Table I: Introductory Courses

Course title	Course provider	Delivery method	Awarding body	ICT membership grade
ICT Concrete Technology & Construction, Stage 1: Concrete Practice	Go Academy (South Africa)	Distance learning / classwork	ICT	Technician: TechICT
ICT Concrete Technology & Construction, Stage 1: Concrete Practice	Irish Concrete Society	Lectures (three days) and Practical (half day)	ICT	Technician: TechICT
ICT Concrete Technology & Construction, Stage 1: Concrete Practice	The Concrete Society (UK)	Revision course (one day)	ICT	Technician: TechICT

Table II: Intermediate Courses

Course title	Course provider	Delivery method	Awarding body	ICT membership grade
CT&C Stage 2 General Principles	TALENT-ctct * (UK)	Distance learning Revision workshop optional	ICT (certificate)	Affiliate: AffICT
CT&C Stage 2 General Principles	CEMEX UK	In-house taught course	ICT (certificate)	Affiliate: AffICT
CT&C Stage 2 General Principles	RMC India	tbc	ICT (certificate)	Affiliate: AffICT
CT&C Stage 2 (SCT 41) General Principles	The Concrete Institute * (South Africa)	Distance learning	ICT (certificate)	Affiliate: AffICT
CT&C Stage 2 General Principles	Go Academy * (South Africa)	Distance learning and lectures	ICT (certificate)	Affiliate: AffICT

THE ROADMAP



Table III: Intermediate Courses

Course title	Course provider	Delivery method	Awarding body	ICT membership grade
CT&C Stage 3 Practical Applications	TALENT-ctct * (UK)	Distance learning Revision workshop optional	ICT (certificate)	Associate: AMICT
CT&C Stage 3 (SCT 42) Practical Applications	The Concrete Institute * (South Africa)	Distance learning	ICT (certificate)	Associate: AMICT
CT&C Stage 3 Practical Applications	Go Academy * (South Africa)	Distance learning and lectures	ICT (certificate)	Associate: AMICT
Professional Development (Concrete Technology)	University of Derby ** (UK)	Distance learning with a two-day seminar per term	University of Derby (University Certificate)	Associate: AMICT
Concrete Studies	University of Derby ** (UK)	Distance learning with a two-day seminar per term	University of Derby (Diploma)	Associate: AMICT
Mineral Extractives (Concrete Technology)	University of Derby ** (UK)	Distance learning with a two-day seminar per term	University of Derby (Foundation Degree)	Associate: AMICT

THE ROADMAP



Table IV: Advanced Courses

Course title	Course provider	Delivery method	Awarding body	ICT membership grade
ICT Concrete Technology & Construction, Stage 4: Advanced Concrete Technology	Cement, Concrete & Aggregates Australia	Residential and individual project	ICT	Corporate Member, MICT
ICT Concrete Technology & Construction, Stage 4: Advanced Concrete Technology	Go Academy (South Africa)	Residential and individual project	ICT	Corporate Member, MICT
ICT Concrete Technology & Construction, Stage 4: Advanced Concrete Technology	Concrete Institute (South Africa)	Residential and individual project	ICT	Corporate Member, MICT
MSc in Advanced Concrete Technology	University of Leeds (UK)	Distance learning, online tutorials, revision seminar and research project	University of Leeds (Accredited by ICT)	Corporate Member, MICT
Postgraduate Diploma in Advanced Concrete Technology	University of Leeds (UK)	Distance learning, online tutorials, revision seminar, but no project	University of Leeds (Accredited by ICT)	Associate Member, AMICT

THE ROADMAP



- ▶ **Synergy between courses – Academic and Practical**
- ▶ **Global training / examinations**
- ▶ **Recognised Qualifications across locations**



- ▶ **Already dismantled and rebuilt “Field Technician Grade 1” for European Standards and Applications.**
- ▶ **Industry is actually asking us to improve the education of people working with concrete – what better invitation could we have?**

ICT AND ACI

