FURTHER INFORMATION

The conference website is at www.civil.uct.ac.za/iccr

The conference secretary, Hans Beushausen, can be contacted at:
Fax: +27 21 689 7471
Email: iccr@uct.ac.za

CONFERENCE VENUE

The conference will be held on the historic campus of the University of Cape Town, the oldest university in South Africa, situated on the slopes of Devils Peak, with views across to the inland mountain ranges and to the oceans on both sides of the Cape Peninsula. State of the art conference facilities, beautiful architecture and a breathtaking setting against the mountains make this a perfect event location for national and international delegates.

ACCOMMODATION AND TOURS

Cape Town offers a vast range of hotels and guest lodges of all categories. For participants of ICCRRR 2012 and their guests, special rates will be negotiated with a number of hotels. Delegates can decide whether they want to stay close to the conference venue or in the heart of the touristic centre of Cape Town, the V&A Waterfront. Free bus transfer between hotels and conference venue will be arranged.

A designated tour operator is available to assist conference delegates with all questions, bookings and problems relating to national and international travel, day trips, accommodation and car rental. Details are provided on the conference website.

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F
dowing the successful 1st and 2nd International Conferences on
Concrete Repair, Rehabilitation and Retrofitting (ICCRRR 2005 and
2008), ICCRRR 2012 will again be held in

Cape Town, South Africa — undoubtedly
one of the most beautiful places in the
world. South Africa’s breathtaking nature,
cultural diversity and friendly hospitality make it a place well worth visiting for
conference delegates and their guests. The conference will be organised and co-
chaired by the University of Cape Town and the University of the Witwatersrand (South
Africa) in conjunction with the University of Leipzig / MFPA Leipzig (Germany).

The conference will take place on the beautiful

and historic campus of the University of Cape Town.

Two special aspects will make

ICCRRR 2012 memorable. Firstly, the
conference will be held in conjunction with the

RILEM Week 2012. Secondly, ICCRRR 2012 is
dedicated to the person and work of

Professor Joost

Walraven, who throughout his career has made outstanding contributions to
crime research and technology.

AIMS OF CONFERENCE

ICCRRR 2012 will focus on the increasingly important need for modern infrastructure provision and retention
that of appropriately repairing, maintaining,
rehabilitating, and retrofitting existing infrastructure with
a view to extending its life and maximising its economic
return. The fields of concrete repair, rehabilitation and retrofitting, as well as concrete durability and structural performance remain some of the most challenging for
today’s infrastructure. To master these challenges it is
important to remain updated on recent developments in
material technology, construction methods,
performance assessment and non-destructive testing,
as well as design, specifications and guidelines, and
service life prediction models for both new and
 rehabilitated/retrofitted structures. ICCRRR is intended to
bring together practising engineers, scientists,
specialists, researchers and others from around the
world to share knowledge and experiences on current
developments in concrete repair, rehabilitation and retrofitting, as well as structural performance and material durability.

SCOPE OF CONFERENCE AND THEMES

Concrete durability aspects
Causes and mechanisms of deterioration; Concrete
transport mechanisms; Life-cycle assessments;
Management and maintenance of concrete structures;
Durability modeling and prediction; Optimising materials for improved durability; Case studies

Condition assessment of concrete structures
Damage modeling and damage mechanisms; Condition
assessment and damage diagnosis; Non-destructive
testing; Analytical modeling; Case studies

Modern materials technology
Multifunctional materials and systems for durable
construction and repair; New or novel materials for repair (ECC, SCC, SHCC, UHPC); Self-repairing
materials and structures

Concrete repair, rehabilitation and retrofitting
Repair philosophies; Repair modeling; Repair methods,
materials and systems; Concrete surface protection and
coatings; Service life extension; Contribution of repair to sustainability; Repair of repair; Structural repairs and
strengthening; Structural retrofitting for altered service
conditions; Contractor experience; Case studies

Structural health monitoring
Damage prognosis and service life predictions;
Performance of repaired/retrofitted structures; Health
monitoring; Structural management systems; Smart
structures and sensing technologies; Case studies

Education, research and specifications
Evaluating current practice and future needs;
Specifications and standards for concrete repair;
Current and future research needs

CONFEREN CE OUTLINE

The conference will run over 3 days and feature oral
presentations by owners of accepted papers, as well as
keynote addresses by leading international experts.

Following the conference, Workshops on selected
topics will be organised, exposing delegates to practical
information and hands-on experience. Prospective
workshop topics in 2012 include fire damage to
cement and concrete structures (prevention, assessment, remediation) and concrete repair according to the new
Eurocode (design and assessment philosophies, repair
methods and strategies). ICCRRR will include a tour program for conference delegates and
accompanying persons, as well as various social
functions including a conference dinner.

ICCRRR delegates are invited to participate in the
meetings of RILEM Technical Committees, as well as the Technical Day of the RILEM Week 2012.

RILEM Week 2012

ICCRRR 2012 will run in conjunction with the Annual
RILEM Week Meeting 2012 (4–6 September 2012). This RILEM event is the highlight of the RILEM
calendar each year. It is the occasion when many of RILEM’s Technical
Committees as well as the
Management Committees meet. The
RILEM General Council will be held
on the Thursday, and there will be the
RILEM banquet. In addition, there will be a Technical Day
highlighting some of the technical work of RILEM, also
on the Thursday.

The Annual RILEM Week will see a significant number of high profile engineers and
scientists, many of them working in the cement
and concrete areas, coming to Cape Town to participate in the event, and to use the opportunity to interact with the
ICCRRR conference delegates, both local and international.

SUPPORTING ORGANISATIONS