

REGISTRATION

The registration fee covers attendance at all sessions of the conference and at the social functions (welcome reception, conference dinner, and closing function), conference teas and lunches, one set of the published conference proceedings, and participation in the RILEM Week 2012.

International delegates' fees

	Registration before 01 June 2012	Registration after 31 May 2012
Author	€ 600	€ 650
Delegate	€ 650	€ 700
Student	€ 350	€ 350

IMPORTANT DEADLINES

Submission of abstracts: 31 August 2011
Notification of acceptance: 30 September 2011
Submission of full papers: 31 December 2011
Notification of paper acceptance: 28 February 2012
Early-bird registration: 31 May 2012
Final registration: 31 July 2012



FURTHER INFORMATION

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

The conference secretary, Hans Beushausen,
can be contacted at:
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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 slope 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 the university 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.

ICCRRR 2012
3rd

International Conference on Concrete Repair, Rehabilitation and Retrofitting

Cape Town, South Africa
3-5 September 2012

CALL FOR PAPERS

Following 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 organized 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 other 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 concrete research and technology.



University of Cape Town



University of the Witwatersrand

UNIVERSITÄT LEIPZIG



University of Leipzig / MFPA Leipzig

AIMS OF CONFERENCE

ICCRRR 2012 will focus on the increasingly important need in 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 repaired/rehabilitated structures. ICCRRR is intended to bring together practising engineers, scientists, specifiers, researchers and others from around the world to share knowledge and experience 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; Optimizing 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

Educational: current practice and future needs; Specifications and standards for concrete repair; Current and future research needs

CONFERENCE OUTLINE

The conference will run over 3 days and feature oral presentations by authors of all 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 of 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 tourist programme 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 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 usual 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



Rilem



American Concrete Institute



Concrete Society of Southern Africa



Cement and Concrete Institute of South Africa



Deutscher Beton- und Bautechnik-Verein EV



South African National Roads Agency



Deutscher Ausschuss für Stahlbeton



Deutsche Bauchemie



Mapei



Afrisam



Chryso



Sika South Africa



BASF Construction Chemicals S Africa



National Research Foundation of South Africa