

Welcome to the Fourth AfriCOMP - An International Conference

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Welcome to the 4th African Conference on Computational Mechanics

AfriComp'15

7 to 9 January 2015
Marrakech, Morocco

1st Announcement

Website: www.africomp15.com

Under the auspices of:



Conference Chairmen:

M. El Hachemi, S. Belouettar and S. Bordas
Luxembourg
A. G. Malan, South Africa
P. Nithiarasu, United Kingdom

Scope and Objectives

We are pleased to announce the Fourth International, African Conference on Computational Mechanics (AfriComp'15).

AfriComp is a biennial conference series with the main objective of providing a forum for researchers and students in computational mechanics on the African continent to interact with members of the computational mechanics community from around the world. In this way the conference series is seen as a key initiative aimed at promoting computational mechanics in Africa. Technical papers are invited on topics from any area of computational mechanics.

Venue

The conference will take place at the Kenzi Farah Hotel (to be confirmed), Marrakech, Morocco.

Call for papers

Authors are invited to submit, for review, extended abstracts of 500 words to a maximum of 2 pages via the AfriComp'15 website (www.africomp15.com). The abstracts must be prepared in the prescribed format (available to download from the conference website). In the case of multiple authors, clearly indicate the name of the author responsible for correspondence.

Mini-Symposia

Proposals are invited for mini-symposia organised by individual researchers (composed of at least 5 papers). If accepted, the mini-symposium organiser is responsible for the quality of the papers accepted for presentation in his/her session. Please submit your proposals in the prescribed format (available to download from the conference website) by **31 May 2014** via email to Belinda.chapman@uct.ac.za.

Plenary and Keynote Lectures

A number of leading researchers from Africa and the rest of the world will be invited to deliver plenary and keynote lectures.

Important Dates

Mini-symposia submission close: **31 May '14**
Abstract submission closes: **31 July '14**
Acceptance of abstracts: **31 Aug '14**
Early bird registration closes: **30 Sep '14**
Student registration closes: **30 Sep '14**
Final abstract submission: **15 Oct '14**
Final registration: **15 Nov '14**

Conference fees:

Student registration (by 30 Sep '14): **€290**
Student registration (by 15 Nov '14): **€385**
Early bird registration (by 30 Sep '14): **€540**
Late registration (by 15 Nov '14): **€640**
(African delegates benefit: 15% discount)

The conference fees include: registration, welcome pack and proceedings, daily tea/coffee and the Gala Dinner. **Please note that registration fees are to be paid by the above dates for abstracts to be included in the conference proceedings and programme. Proof of full time study is essential for student registration.**

Zienkiewicz Lecture

The AfriComp'15 conference series includes the Zienkiewicz Lecture, which serves to honour the memory of Professor O C Zienkiewicz. The lecture will be delivered by a distinguished member of the computational mechanics community.

Conference Language

The conference language is English and all papers should be prepared in English. Translation services will not be provided.

Marrakech

The venue for AfriComp'15 is a former imperial city and lies near the foothills of the snow-capped Atlas Mountains. It is a few hours from the foot of the Sahara Desert. Its location and contrasting landscape has made it a popular and cherished destination in Morocco.



Sponsorships

A number of organizations have expressed interest in sponsoring conference events. We encourage potential sponsors to contact the conference organisers for further details.

International Advisory Committee

(to be confirmed)

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A. Zilian (Luxembourg)



Conference Main Topics:

1. Aerodynamics
2. Acoustics and electromagnetics
3. Application of numerical methods to engineering problems
4. Artificial intelligence
5. Biomechanics, biomaterials and biomedical engineering
6. Computational biology
7. Damage and fracture mechanics
8. Data and signal processing
9. Environmental science
10. Fluid mechanics
11. Fluid-structure interaction
12. Geomechanics, oil-reservoirs & hydraulics
13. Graphics and visualization
14. Heat and mass transfer
15. Inverse problems and optimization
16. Material science and smart materials
17. Mesh generation & geometrical modelling
18. Manufacturing processes
19. Micro and nano-mechanics
20. Multi-scale mechanics
21. Non-linear dynamics
22. Numerical algorithms and methods
23. Parallel computing
24. Polymers and composites
25. Programming techniques and high performance computing
26. Solid and structural mechanics
27. Free-surface-modelling
28. Heat & mass transfer in porous materials
29. Reactor modelling

Marrakech

The name Marrakech originates from the Amazigh (Berber) words mur (n) akush, which means "Land of God." It is the third largest city in Morocco, after Casablanca and Rabat. The city is divided into two distinct parts: the Medina, the historical city, and the new European modern district called Gueliz or Ville Nouvelle. The Medina is full of intertwining narrow passageways and local shops full of character. In contrast, Gueliz plays host to modern restaurants, fast food chains and big brand stores.

There is much to see and do in Marrakech. The city offers several historical and architectural sites as well as some interesting museums; Djemaa El-Fna is the highlight of any Marrakech night. Musicians, dancers, and story tellers pack this square at the heart of the medina, Koutoubia Minaret, right besides Djemaa El-Fna, is named after the booksellers market that used to be there. It is said that the minaret of the Koutoubia minaret is to Marrakech as the Eiffel Tower is to Paris. Remains from Saadian dynasty, El Badi Palace and Saadian Tombs, El Bahia Palace is an ornate and beautiful palace, popular with guided tours and stray cats, The Menara gardens, which are west of the city, and consist of a mixture of orchards and olive groves surrounding a central pavilion which is a popular sight on tourist postcards.

Contact Details

Non-academic matters (registration, travel, accommodation, tours, visas):

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Academic matters and support:

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