



University Hassan II Mohammedia-Casablanca

Faculty of Sciences Ben M'Sik

and

Moroccan Association of Crystallography

organise

**The First North African  
Crystallographic Conference**

**NACC-1**

November 23<sup>rd</sup> - 26<sup>th</sup>, 2010  
Casablanca - Morocco

Logo

**FIRST ANNOUNCEMENT AND  
CALL FOR ABSTRACTS**

Website: [www.....](http://www.....)

Email: .....

## BACKGROUND

The Moroccan Association of Crystallography (AMC) was founded in 2002. In collaboration with Moroccan universities AMC organised four schools on crystallography (Ecoles Marocaines de Cristallographie: EMC; EMC1: Marrakech, March 2002; EMC2: El Jadida, May 2004; EMC3: Agadir, May 2006 and EMC4: Rabat, May 2008). These schools were devoted essentially to tutorials on powder and single crystal X-ray and electron diffraction. AMC organised also the 24<sup>th</sup> European Crystallographic Meeting (ECM24: Marrakech, August 2007) in collaboration with the European Association of Crystallography (ECA). All these events were supported by IUCr and ECA. The other Associations of Crystallography in North Africa are also active in promoting crystallography in Algeria, Egypt and Tunisia. In 2009, AMC Executive Committee decided to organise the first North African Crystallographic Conference. This event is organised jointly by AMC and Faculty of Sciences Ben M'Sik, University Hassan II Mohammedia-Casablanca. The aim of this first conference is to contribute to the development of crystallography in North Africa. It will be an opportunity for North African scientists and their colleagues from all parts of the world to meet, discuss and share their research initiatives and findings, and explore new initiatives for stimulating new collaborations.

## CONFERENCE STRUCTURE

- Plenary lectures, key notes, oral presentations, poster sessions, workshops and industrial exhibitions.
- Technical tours of various research facilities in and around Casablanca - Visits and excursions.

## LANGUAGE

Abstracts, full text, oral and poster presentations will be in English. No translation will be provided.

## CONFERENCE VENUE

The conference will be held in Casablanca, Morocco. For accommodations a list of hotels will be available on the conference website.

## CONFERENCE SECRETARY

Laboratoire de Chimie des Matériaux Solides-LCMS, Département de Chimie, Faculté des Sciences Ben M'Sik-UH2M. Avenue Idriss El Harti, BP 7955, Sidi Othmane, Casablanca, Morocco.  
Email : , Tel: +212 Fax: +212

## CONFERENCE TOPICS

### 1 - Biological and Macromolecular Crystallography:

- Proteins, membranes, viruses and macromolecular assemblies.
- New structures.
- New drug target structures.
- Structure-properties relationship in molecular crystals.

### 2 - Crystal Structures of Materials, Nanomaterials and Minerals:

- Complex metallic alloys.
- Inorganic, organic and hybrid materials.
- Functional materials.
- Modern electron diffraction exploring structures and properties.
- Nanostructures and nanostructured materials.
- Inclusion compounds and porous materials.
- Structural studies on coordination chemistry.
- Structure determination from powder diffraction.
- Crystal growth and structure determination from single crystals.

### 3 - Physical including Fundamental Crystallography:

- Charge, spin and momentum densities for the prediction of physical properties.
- Aperiodic order: experiment and simulation.
- Diffuse scattering and disorder.

### 4 - Crystallography and Applications:

- Industrial applications of X-ray crystallography.
- Recent developments in software for chemical crystallography.
- New laboratory instrumentation and techniques.
- Advances in diffraction techniques and crystallographic computing.
- Role of crystallography in the valorization of phosphates and materials for energy storage.
- Crystallography in archaeology, art, and cultural heritage.

### 5 - Crystallography Education:

- Teaching the fundamentals and applications of crystallography using the internet.
- Teaching and educational tools.

## SYMPOSIUM-WORKSHOP

Please contact the organising committee if you want to organise a symposium or a workshop in the field of crystallography.

## ABSTRACTS

Interested authors are requested to submit short abstracts of their proposed papers (No more than one abstract by registration). We encourage participants to submit abstracts through our conference website. Alternatively they could send their abstracts by e-mail. Instructions to authors are available on the website.

## PUBLICATION

After the review process, all accepted papers will be published in the conference proceedings.

## CONFERENCE FEES

	Reduced registration fees.	Full registration fees.
Participants	3000 DH	4000 DH
AMC Members	2500 DH	3500 DH
Accompanying persons	1500 DH	2000 DH
Cloture diner supplement	200 DH	200 DH

These fees include welcome reception, lunches, cloture diner, tea and coffee. Participants will receive the conference documents: Bag, book of abstracts....

## BURSARIES

Limited number of bursaries will be provided to students and academic researchers. Priority will be for participants from the developing countries. Bursary form application is available on the conference web site. Submission of an abstract for a poster or oral presentation is obligatory.

## REGISTRATION

We encourage participants to register through our conference website. Alternatively they could download the registration form from the web site and send it by e-mail.

## SCHEDULE

- 31 January 2010:** \* First announcement.
- 31 May 2010:** \* Deadline for bursary request.
- 30 June 2010:** \* Deadline for receipt of abstracts.
- 31 July 2010:** \* Notification of acceptance of abstracts.
- 31 August 2010:** \* Deadline for receipt of full papers and reduced registration payment.
- 30 September 2010:** \* Second circular and final program.

## SECOND CIRCULAR

The second circular will contain program, supporting organisations, sponsors and exhibitors. Please visit regularly the conference website to be informed.

## PROGRAM SCHEDULE

Date	Morning	Afternoon
November 23, 2010		Registration, opening ceremony, lectures, welcome reception.
November 24, 2010	PL – KN – OP – PS	PL – KN – OP – PS
November 25, 2010	PL – KN – OP – PS	Visits and excursions.
November 26, 2010	PL – KN – OP – PS	PL – KN – OP – PS Cloture diner.

PL: Plenary Lecture (40 minutes); KN: Key Note (30 minutes); OP: Oral Presentation (20 minutes); PS: Poster Session (1 hour).

## ORGANISING COMMITTEE

**Conference chair:** Abdelaziz El Jazouli. **Local members:** Rahma Adhiri, Said Benmokhtar, Saida Krimi, Mouna Lamdaouar, Mohamed Mousseted. **AMC Executive members:** Abdelmalek Thalal (AMC President), Driss Zakaria (EMC2) Abdellah Boukhris (EMC3), Lahcen El Ammari (EMC4), Mohamed El Azhari (AMC Treasurer).

## CONFERENCE ADVISORY COMMITTEE

**AMC Executive members:** Houria Benyaich, Moha Berraho, Salah Eddine El Qebaj, Mohamed Lamire, Mohamed Mansori, Idriss Mansouri, Abdelkhalek Marrouche, Abdelkader Mokhlisse, Mohamed Saadi. **Presidents of North African Crystallographic Associations:** Ahmed Akka (Algeria). El Sayed Karimat (Egypt). Mongi Debbabi (Tunisia). **Other members:** Malika Hamadène (Algeria).

List not limited

## INTERNATIONAL SCIENTIFIC COMMITTEE

Abdelaziz El Jazouli (Chair), Abdelmalek Thalal, Mostapha Bousmina, Lahcen El Ammari, Idriss Mansouri, Nezha Bouhmaid (Morocco). Nourredine Benali-Cherif, Fadila Belagroune (Algeria). Mongi Benamara, Habib Boughzala (Tunisia). Sire Larsen (Denmark, IUCr President). Santiago Garcia-Granda (Spain, ECA President). Abdessadek Lachgar, Mohamed Eddaoudi, Omar Yaghi (USA). Antony Cheetham, Paul O'Brien, John Welliwell (UK). Jean Pierre Chaminade (France). Leonard Barbour (South Africa).....

List not limited

## CONFIRMED SPEAKERS

- Omar Yaghi**, University of California, Los Angeles, USA  
**Creating a synthetic 'gene' for CO<sub>2</sub> capture.**
- Paul O'Brien**, University of Manchester, UK  
**Understanding and predicting the formation of very small crystals.**
- Sine Larsen**, University of Copenhagen, Denmark  
**Synchrotron radiation and crystallography.**
- Santiago Garcia-Granda**, University of Oviedo, Spain  
**Titanium phosphate hybrid materials.**
- Denis Gratias**, LEM, CNRS/ONERA, France  
**Spatial order: symmetry and diffraction.**
- Abdessadek Lachgar**, Wake Forest University, USA  
**Title :**
- Mohamed Eddaoudi**, University of Florida, USA  
**Title :**
- Mostapha Bousmina**, Inanotech, Rabat, Morocco  
**Title :**
- Gervais Chapuis**, University of Lausanne, Switzerland  
**Title :**
- Habib Boughzala**, Université 7 Novembre, Carthage, Tunisia  
**Lead halid hybrid materials.**
- Leonard Barbour**, University of Stellenbosch, South Africa  
**Structure-function relationships of molecular crystals.**
- Abdelaziz El Jazouli**, UH2M, Casablanca, Morocco  
**Crystallochemistry of phosphates.**

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