



No Materials, No Progress

International Conference on Advanced Complex Inorganic Nanomaterials

(ACIN 2018)

<http://www.unamur.be/acin2018>

July 16-19, 2018

Namur, Belgium

Scope and tentative program
Call for papers

Submit your abstract before January 15th 2018 to

Email: acin2018@unamur.be

Invitation

Following the great success of ACIN2011, ACIN2013, AIN2015 and spurred on by the enthusiasm of the participants at ACIN conferences, the organizing committee would like to extend a cordial invitation to all researchers with an interest in advanced complex inorganic nanomaterials, to participate in the second International Conference on Advanced Complex Inorganic Nanomaterials (ACIN 2018) that will be held in **Belgium from 16th to 19th July 2018.**

ACIN 2018 is a four days scientific meeting jointly organised by the University of Namur, Wuhan University of Technology and the Université Catholique de Louvain.

Background

Energy, environment and health care are amongst the top priorities of our society. Such issues have sparked phenomenal interest in inorganic nano-materials as they hold great promise to develop new advanced devices and equipment which revolutionise the way we live. Investigating the hierarchical structuration of materials on the nanoscale has revealed unprecedented physical (optics, magnetism, etc.) and chemical (e.g. catalysis, energy conversion and storage) properties that are absent in bulk matter of the same chemical composition. These specific functionalities are the consequence of a complex multi-level and hierarchical organisation (chemical, structural, textural) of the architecture of inorganic nanomaterials. The global properties and functional performances largely depend on the extent to which these levels are mastered during the synthesis process. The development of the society depends on materials: ***no materials, no progress.***

Scope of the meeting and call for papers

The aim of this meeting is to offer an update of recent innovations in both fundamental and applied aspects and to highlight the latest advances and progress in the field of inorganic nanomaterials (inorganics, ceramics, hybrids and bio-inspired materials). We encourage researchers to submit an abstract of their most recent work related to all fields of Inorganic Nanomaterials such as:

- ◆ **Advanced preparation methods to Advanced Complex Inorganic Nanomaterials and cutting edge characterization techniques:** New precursors, new methods, new processing and shaping and fundamental aspects of synthesis: sol-

gel technology, self-assembly, templating, artificial integration, encapsulation, immobilisation, functionalisation, layer-by-layer, ship-in-bottle, etc.

- ◆ **Nanomaterials, functional porous materials, coordination networks, bio-inspired nanomaterials, hybrid nanomaterials and living materials:** Nanostructures, nanoparticles, nanotubes, ceramics, membranes, films, self-assembly, supramolecular systems, co-ordination polymers, zeolites, MOFs, mesoporous materials, hierarchically structured materials, carbons, natural materials, bioinspired and biomimetic materials, biomineralisation and biotemplating, bio-integrated materials, biocomposites, organometallics, green materials for construction, inorganic switches etc.
- ◆ **New applications and new properties:** Catalysis, photocatalysis, energy conversion and storage, batteries, supercapacitors, photovoltaics, artificial photosynthesis, CO₂ photoreduction, water splitting, thermal energy to electricity, fuel cells, (DS)solar cells, sensors, gas storage, magnetism, photomagnetism, spin crossover, optics, photochromism, conductivity, superconductivity, etc.

The emphasis will be put on interdisciplinarity and on future research directions (New trends). The organisers would also like to make this meeting a discussion forum between scientists and those who would like to become acquainted with new developments, perspectives and applications of nano-materials.

Special issue in a high impact journal

Papers submitted during ACIN 2018 will be published, after peer-review, in a special issue of a reputed journal.

Tentative program

- Opening lecture (45 minutes),
- 8 plenary lectures (45 minutes) and 12 keynote lectures (35 minutes) given by renowned scientists,
- 25 invited lectures by selected eminent scientists (25 minutes),
- Around 50 oral presentations (20 minutes)

Important dates

Abstracts: 15th January 2018
Notification of acceptance: 31st January 2018
Conference opening: 16th July 2018
Online submission window for full manuscripts for the themed issue 15th August - 15th October 2018

Access to Belgium

More than 100 international airlines serve Brussels Airport.

Different low fare air companies also operate connections between major European cities and Charleroi-Brussels-South Airport.

Belgium

Belgium, as one of the founding members of the European Union, is the heart (Capital) of Europe and hosts institutions like the European Commission, European Parliament, NATO and many other international organisations.

Belgium, a federal Kingdom, has more than 600 well-known beers and produces many global branded deluxe chocolates. Belgium is a high-tech country with over 10 well ranked top universities.



Namur and Wallonia, The Art of Living

Namur is the Capital of Wallonia, one of the three regions of Belgium. Come and rediscover the natural way of living. There is always something happening in Wallonia. Pleasant surprises await you wherever you go. The fresh air of the Ardennes is on our doorstep. Contact with the outdoors is calling!

Conference venue

The Conference will be held at the University of Namur campus, which is located in the centre of the city. A series of modern and boutique type hotels such as Ibis, Chateau de Namur, Les Tanneurs, Hotel Beauregard, Royal Snail etc. can offer you great Belgian hospitality and a pleasant stay. Around a hundred student lodging rooms will also be available.

International Scientific Committee

(To be completed and confirmed)

Prof. Luisa De Cola, University of Muenster, Germany
Prof. Clare P. Grey, University of Cambridge, UK,
Prof. Zhong-Lin Wang, Georgia Institute of Technology, USA
Dr. Clément Sanchez, Collège de France, France
Prof. Makato Fujita, University of Tokyo, Japan
Prof. Gustaaf Van Tendeloo, University of Antwerp, Belgium
Prof. Shin-Ichi Ohkoshi, University of Tokyo, Japan,
Prof. Xiao-Ming Chen, Sun Yat-Sen University, China
Prof. Mathias Driess, Technological University of Berlin, Germany
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Prof. Eugenio Coronado, Universidad de Valencia, Spain
Prof. Zhong-Min Liu, Dalian Institute of Chemical Physics, China
Prof. Rudi Cloots, University of Liège, Belgium
Prof. Jean-Marie Tarascon, Université de Picardie J. Verne, France
Prof. Viorica Parvulescu, Institute of Physical Chemistry, Romania,
Prof. Yao Li, Harbin Institute of Technology, China
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Prof. Max G. Q. Lu, University of Queensland, Australia,
Prof. Xiao-Yu Yang, Wuhan University of Technology
Prof. Pascal Van Der Voort, University of Gent, Belgium
Prof. Yu Li, Wuhan University of Technology, China
Prof. Yann Garcia, Université Catholique de Louvain, Belgium
Prof. Bao-Lian Su, University of Namur, Belgium

Organising committee (To be completed)

Prof. Bao-Lian Su (Chair)
University of Namur, Belgium
Prof. Yann Garcia (co-chair)
Université Catholique de Louvain, Belgium
Prof. Alain Krief
University of Namur, Belgium
Dr. Tarek Barakat
University of Liège, Belgium
Dr. Yinxin Chen
University of Namur, Belgium
Dr. Li Wang
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Mrs. Isabelle Virlet
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Mrs. Valérie Charles
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Conference Secretary (Registration)

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For more information

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