



# ANIMMA 2009

**A**dvancements in **N**uclear **I**nstrumentation,  
**M**easurement **M**ethods and their **A**pplications

## International Conference on Nuclear Instrumentation and Measurements

**Nuclear instrumentation and measurement methods in nuclear environments are key aspects that contribute to the quality of scientific programmes in the fields of physics, energy, nuclear fuel cycle and radioactive waste management.**

Furthermore, measurements relying on nuclear physics now play an important role in various fields of application such as biology, medicine and the environment. Therefore, the CEA and its partners – the University of Provence and the SCK•CEN<sup>1</sup> (Mol, Belgium) – decided to organise an international scientific conference in this field, with support from the IEEE<sup>2</sup>, ENS<sup>3</sup> and SFEN<sup>4</sup>. The goal is to unite the different scientific communities so they can exchange information on their areas of expertise. This conference should be considered as a European initiative with an international audience.

**ANIMMA 2009** (Advancements in Nuclear Instrumentation, Measurement Methods and their Applications) is therefore the first international scientific conference on nuclear instrumentation and measurements. It will be held in Marseille at the *Palais des Congrès* from 7-10 June 2009. The conference sets out to unite, consolidate and organise an international network of scientific and industrial experts from the CEA, the academic arena, the CNRS, CERN, EDF, AREVA, etc. Though the programme focuses on instrumentation and measurements, it also

*“The different periods of any science tend to be determined by the efficiency of its measuring instruments”*

G. Bachelard, *La formation de l'esprit scientifique*, Vrin, Paris, 1986.

looks at developments and progress made in the general field of measurement: radiation detection, modelling, electronics, data acquisition and processing, signal analysis and interpretation, and all training-related activities. The ANIMMA conference provides scientists and engineers with a veritable opportunity to compare their latest research and developments. There will be more than 250 presentations and posters, in addition to a permanent exhibition with over 20 stands for the industry and research laboratories. Over 400 participants will be attending. The conference will boast high-quality scientific and technical presentations from a number of internationally-renowned experts (more information on: [www.animma.com](http://www.animma.com)).

About 50 students from INSTN and the Instrumentation Department at the University of Provence will take part in the ANIMMA conference on 9 June. They will be participating in as many events as possible so as to meeting potential employers.

On 11 June, participants will be able to visit CEA facilities and laboratories at Cadarache, as well as the construction sites for the JHR<sup>5</sup> and the ITER fusion project.

**ANIMMA 2009** is the first of a series of conferences devoted to endorsing and promoting scientific and technical activities based on nuclear instrumentation and measurements.

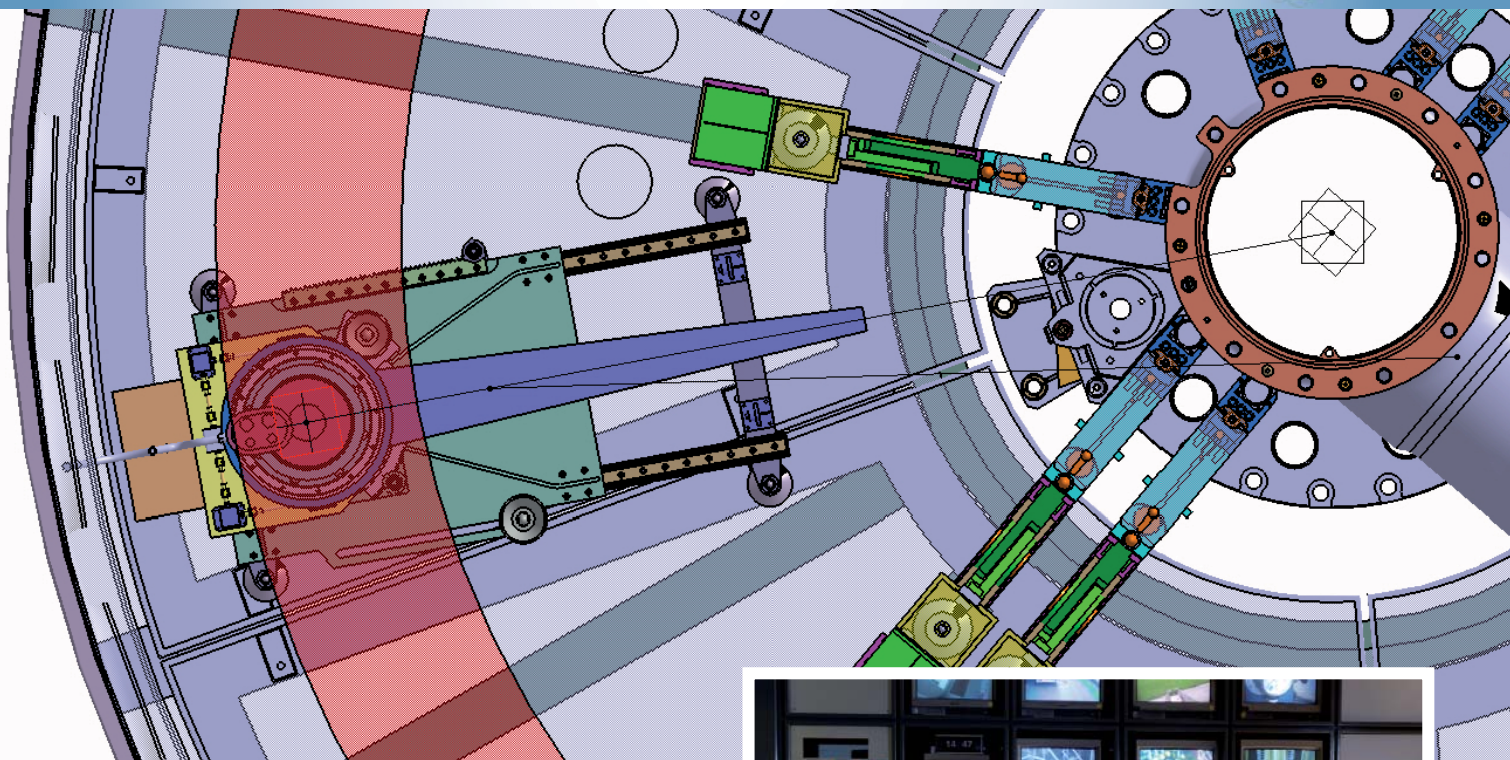
<sup>1</sup> Belgium Nuclear Research Centre

<sup>2</sup> Institute of Electrical and Electronics Engineers

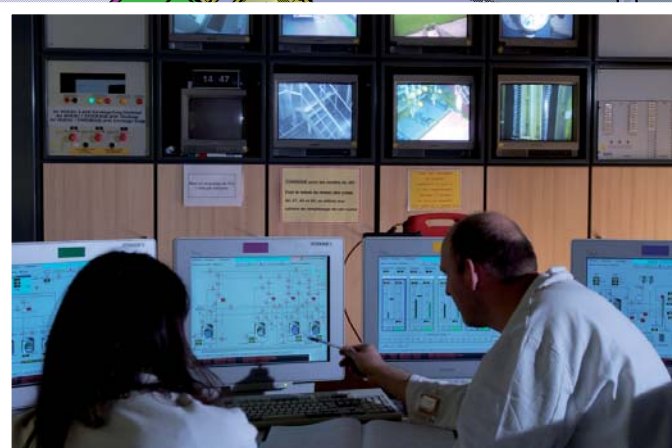
<sup>3</sup> European Nuclear Society

<sup>4</sup> Société Française d'Énergie Nucléaire (French Nuclear Energy Society)

<sup>5</sup> JHR: Jules Horowitz reactor for research on fuels and materials intended for current and future nuclear reactors, as well as for the production of radioisotopes for medical purposes



**The main objective** of the ANIMMA conference is to unite the various scientific communities, not only involved in nuclear instrumentation and measurements for direct nuclear applications, but also in other fields of applications such as nuclear medicine and environmental sciences. The conference is all about getting scientists, engineers and the industry to meet, exchange cultures and identify new scientific and technical prospects to help overcome both current and future unresolved issues.



ANIMMA therefore has the following objectives:

- 1) **Consolidate and organise** an international network of experts specialised in nuclear instrumentation and measurements by regularly organising meetings between all parties involved in this field:
  - French, European and international experts in the relevant scientific fields,
  - National and international industrial players.
- 2) **Present** the results of research programmes on themes and issues that interest the CEA, its clients, collaborators, and industrial and academic partners involved in nuclear instrumentation and measurements in France and Europe.
- 3) **Endorse** meetings and exchanges between partners and international specialists so as to build strong ties between current and future research programmes.
- 4) **Get** academic communities interested in the latest developments, projects and applied research.
- 5) **Encourage** students to choose university courses in instrumentation and measurements. This field opens up a range of possible professions owing to its interdisciplinary nature.



**Press Briefing**  
**Monday 8 June 2009**  
**from 10:00 am**

Prominent scientists of international stature will be attending ANIMMA. Meetings with the regional, national and international press have been organised.

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