

*15th International Conference on  
Condensed Matter Nuclear Science (ICCF-15)*

*Roma, Italy  
October 5-9, 2009*

**First Announcement and Call for Papers**

We are pleased to announce that the *15<sup>th</sup> International Conference on Condensed Matter Nuclear Science* will be held in Roma, at Angelicum University, on October 5-9, 2009. The Conference is an important forum where recent results in the field of condensed matter nuclear science are presented, covering topics concerning the excess of power production in deuterated metals (Fleishmann & Pons effect) and related fields such as the enhancement of nuclear reaction cross sections in condensed matter and screening effect in metals for deuterium nuclear reaction. Detailed information, including deadlines, is provided on the Conference website:

<http://iccf15.frascati.enea.it>


The purpose of the Conference is to allow an in depth technical presentation and discussion of recent research developments in the scientific area of condensed matter nuclear science, but also to facilitate the cross-disciplinary exchange of information between various fields covered by such an highly interdisciplinary research area.

The Scientific Committee will select, among the contributions submitted to the Conference, a number of papers that will be presented in the oral sessions.

The other selected contributed papers will be presented as posters. invited talks related to the main topics of the Conference will cover advanced aspects.

The Angelicum University, Roma, Largo Angelicum, 1, is nearby Trajan's Markets and between the Roman Forums and the Quirinale Palace. Angelicum is located in a monastery built by Giacomo Della Porta at the end of the XVI century. Hotels close to the Conference site (specifically arranged for ICCF-15 Conference) will be available for delegates.

Looking forward to welcoming you in Rome next October.



Vittorio Violante RdA  
*Chair*



Francesco Scaramuzzi  
*Scientific Chair*

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## **Organisation**

The organisation of the Conference is carried out by ENEA, Dipartimento Fusione e Presidio Nucleare, Via E. Fermi, 45, 00044 Frascati, Italy

## **Topics**

### ***Measurements and measurement techniques***

Calorimetry and excess of power measurements  
Nuclear (Radiation) measurements  
Isotopic composition study  
Spectrometry and others analytical techniques  
Electrochemical measurements  
Microscopy

### ***Hydrogen isotopes loading in metal lattices***

Measurement of hydrogen isotopes loading in metals and alloys  
Mass transfer mechanisms  
Loading techniques

### ***Hosting materials***

Metallurgy and Metallurgical treatments  
Hydrogen in metals  
Hydrogen in micro and nano structured metal particles  
Surface treatments  
Surfaces characterization  
Electrochemical characterization  
Study of the interface and of the processes at interface

### ***Theory and Modeling***

Theoretical concepts  
Computational results  
System modeling  
Statistical analysis

## **Related topics**

Relevant topics from physics, chemistry, material science and engineering

## **Language**

The official conference language is English

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**World Wide Web Site**

Detailed and updated information on the *15<sup>th</sup> International Conference on Condensed Matter Nuclear Science* is provided on the website: <http://iccf15.frascati.enea.it>

**Committees**

Vittorio Violante RdA <i>Chair</i>	ENEA, Frascati	ITALY
Shaul Lesin <i>Co-Chair</i>	Energetics Technologies	ISRAEL
Martin Fleischman <i>Honorary Chair</i>	University of Southampton (retired)	UK

**Scientific Committee**

Francesco Scaramuzzi <i>Chair</i>	ENEA (retired), now at LNF/INFN	ITALY
Fulvio Frisone <i>Co-Chair</i>	Fulvio Frisone Foundation	ITALY
Francesca Sarto <i>Secretary</i>	ENEA, Frascati	ITALY
Maurizio Angelone	ENEA, Frascati	ITALY
Mario Bertolotti	University of Rome La Sapienza	ITALY
Jean Paul Biberian	University of Marseille Luminy	FRANCE
Tullio Bressani	INFN Torino	ITALY
Konrad Czerski	University of Szczecin	POLAND
Antonella De Ninno	ENEA, Frascati	ITALY
Daniele Gozzi	University of Rome La Sapienza	ITALY
Ehud Greenspan	Berkeley University	USA
Peter L. Hagelstein	MIT	USA
Armin Huke	Technische Universität Berlin	GERMANY
Jirota Kasagi	Tohoku University	JAPAN
Xing Zhong Li	Tsinghua University	CHINA
Andrei Lipson	Russian Academy of Science	RUSSIA
Michael C. H. McKubre	SRI International	USA
Michel E. Melich	Naval Postgraduate School	USA
David J. Nagel	George Washington University	USA
Concita Sibilila	University of Rome La Sapienza	ITALY
Mahadeva Srinivasan	BARC (retired)	INDIA
Akito Takahashi	Osaka University (retired)	JAPAN
Amalia Torre	ENEA, Frascati	ITALY
Tanya Zilov	Energetics Technologies	ISRAEL

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*International Advisory Committee*

Yury Bazutov	IZMIRAN RAS	RUSSIA
Jean Paul Biberian	University of Marseille Luminy	FRANCE
William Collis	ISCMNS	UK
Martin Fleishmann	Southampton University (retired)	UK
Igor Goriachev	Kurchatov Institute	RUSSIA
Peter L. Hagelstein	MIT	USA
Yasuhiro Iwamura	Mitsubishi Eavy Industries	JAPAN
Xing Zhong Li	Tsinghua University	CHINA
Andrei Lipson	Russian Academy of Science	RUSSIA
Michael C. H. McKubre	SRI International	USA
Michel E. Melich	Naval Postgraduate School	USA
George Miley	University of Illinois	USA
David J. Nagel	George Washington University	USA
Francesco Scaramuzzi	ENEA (retired)	ITALY
Mahadeva Srinivasan	BARC (retired)	INDIA
Akito Takahashi	Osaka University (retired)	JAPAN
Vittorio Violante RdA	ENEA, Frascati	ITALY

*Awards Committee*

William Collis	CMNS	UK
Chief Executive CMNS		
Scott Chubb	CMNS	USA
CMNS Executive Committee		

*Local Committee*

Maria Polidoro	ENEA, Frascati	ITALY
<i>Chair</i>		
Marisa Cecchini	ENEA, Frascati	ITALY
Lucilla Crescentini	ENEA, Frascati	ITALY
Stefano Lecci	ENEA, Frascati	ITALY
Francesca Sarto	ENEA, Frascati	ITALY
Vincenzo Vitale	ENEA, Frascati	ITALY

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### **Important dates**

<i>Deadline or event</i>	<i>Date</i>
Submission_of abstracts	June 2, 2009
Communication of acceptance of abstracts	June 23, 2009
Registration and hotel reservation at reduced rate	July 6, 2009
<b>Conference</b>	October 5-9, 2009
Deadline for submission of papers	November 30, 2009

### **Sponsors**

The Conference has a very multidisciplinary character. It provides an excellent showcase opportunity for scientific instrumentation industry including calorimetry, nuclear radiation measurements, analytical techniques, material science, electrochemistry, hydrogen purification, metallurgy, surface science, nanotechnology.

Some industrial stands will be available during the Conference. Other forms of sponsorship are also provided. Any sponsorship will have adequate publicity and visibility.

Industries are invited to participate and register as soon as possible in order to reserve the necessary space.

For further information, please contact:

**Dr. Maria Polidoro**

Tel. \*\*39 06 94005309;

Fax: \*\*39 06 94005100;

e-mail: polidoro@frascati.enea.it)

### **Registration**

Details on the registration fee will be available in the 2nd Announcement which will be ready within March 31, 2009.

### **Accommodation**

A range of accommodations (specifically arranged for the ICCF-15 conference) will be available for conference delegates.

Details on hotels will be available in the 2nd Announcement which will be ready within March 31, 2009.

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## **Abstracts Submission**

Abstracts for consideration as contributed presentations and poster papers will be accepted until **Tuesday, June 2, 2009**.

Topics appropriate to the conference are given at: [Goals and Topics](#)

More detailed instructions for abstracts submission will be given in the 2nd announcement.

A standard format will make the production of the Book of Abstracts easier and the result more attractive. The abstract book will be printed in black and white. Please follow these guidelines for preparation of an abstract:

Page size	A4 Letter Size (210 x 297 millimeters)
Margins	25 millimeters on all around, left, right, top and bottom
Font	Times New Roman
Font Size	14 point bolded for the title (centered) 12 point for authors and their institutions (centered) 12 point for the text and references (left and right justified)
Line Spacing	Single spaced in text and references. Double spaced between paragraphs within the text.
Software	Microsoft WORD
Length	One page total per abstract. Longer abstracts will be edited to one page.

A sample of parts of the abstract follows:

**This is the Title of an Abstract**

These are the Authors

These are their Institutions

The abstract text goes here (left and right justified). It should make clear what was done and give a synopsis of the major findings, if they are already available. Reference numbers for citations after the abstract should be put in square brackets [X]. Graphs or photographs can be included in the text, if they are put in a Text Box, possibly with captions. Printing on axes or otherwise within the figures should be readable.

[X] Initial(s). Last Name, "Title of Paper", Journal, Vol. \_\_, pages \_\_-\_\_, (year)

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**Contacts**

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ENEA

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