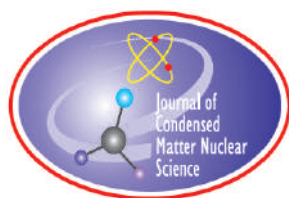


# **JOURNAL OF CONDENSED MATTER NUCLEAR SCIENCE**

**Experiments and Methods in Cold Fusion**

**VOLUME 18, February 2016**



# **JOURNAL OF CONDENSED MATTER NUCLEAR SCIENCE**

Experiments and Methods in Cold Fusion

## **Editor-in-Chief**

Jean-Paul Biberian

*Marseille, France*

## Editorial Board

Peter Hagelstein  
*MIT, USA*

Xing Zhong Li  
*Tsinghua University, China*

Edmund Storms  
*KivaLabs, LLC, USA*

George Miley  
*Fusion Studies Laboratory,  
University of Illinois, USA*

Michael McKubre  
*SRI International, USA*

# **JOURNAL OF CONDENSED MATTER NUCLEAR SCIENCE**

**Volume 18, February 2016**

© 2016 ISCMNS. All rights reserved. ISSN 2227-3123

This journal and the individual contributions contained in it are protected under copyright by ISCMNS and the following terms and conditions apply.

## **Electronic usage or storage of data**

JCMNS is an open-access scientific journal and no special permissions or fees are required to download for personal non-commercial use or for teaching purposes in an educational institution.

All other uses including printing, copying, distribution require the written consent of ISCMNS.

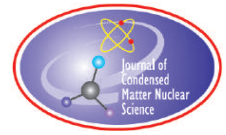
Permission of the ISCMNS and payment of a fee are required for photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery.

Permissions may be sought directly from ISCMNS, E-mail: [CMNSEditor@iscmns.org](mailto:CMNSEditor@iscmns.org). For further details you may also visit our web site: <http://www.iscmns.org/CMNS/>

Members of ISCMNS may reproduce the table of contents or prepare lists of articles for internal circulation within their institutions.

## **Orders, claims, author inquiries and journal inquiries**

Please contact the Editor-in-Chief, [CMNSEditor@iscmns.org](mailto:CMNSEditor@iscmns.org) or [webmaster@iscmns.org](mailto:webmaster@iscmns.org)



# JOURNAL OF CONDENSED MATTER NUCLEAR SCIENCE

Volume 18

2016

---

## CONTENTS

### EDITORIAL

#### RESEARCH ARTICLES

- |   |    |
|---|----|
| From Dark Gravity to LENR<br><i>Frederic Henry-Couannier</i>  | 1  |
| Study on the Phenomenon Reported “Neutron Generation at Room Temperature in a Cylinder Packed with Titanium Shavings and Pressurized Deuterium Gas” (3)<br><i>Takayoshi Asami, Giacomo Giorgi, Koichi Yamashita and Paola Belanzoni</i> | 24 |
| A Technique for Making Nuclear Fusion in Solids<br><i>R. Wayte</i>  | 36 |
| Arguments for the Anomalous Solutions of the Dirac Equations<br><i>Jean-Luc Paillet and Andrew Meulenberg</i>   | 50 |

## Editorial

Volume 18 of the *Journal of Condensed Matter Nuclear Science* includes only four papers that I believe are important. In particular, the theoretical paper by Frederic Henry-Couannier shines a new light on Low Energy Nuclear Reactions (LENR) theories. So far, most of the well-known theories are based on quantum mechanics, classical physics or the introduction of new particles. For the first time, Henry-Couannier has developed a theory of Cold Fusion based on an extension of General Relativity. This is an interesting approach, since it is hard to believe that what aims at explaining the Universe can also explain what is happening at the nuclear level. The future will confirm or not the validity of such an approach.

Sincerely,

*Jean-Paul Biberian*  
(*Editor-in-Chief*)  
*February 2016*