Program of JCF16 Meeting

Japan CF-Research Society

Date:	December 11-12, 2015
Place:	Kyoto University Higashi-Ichijokan, Kyoto, Japan
Paper presentation:	Oral presentation 20 min. (Review: 35 min) + Discussion 5 min.
Language:	English or Japanese
Book of Abstract:	Only available at JCF home page (http://jcfrs.org/)

December 11 (Fri), 2015

12:00-13:00 **Registration**

13:00-13:10 **Opening Address** E. Yamaguchi (Kyoto U.)

Session-1 *Chairman: Y. Iwamura (Tohoku U.)*

13:10-13:35 **JCF16-1** A. Kitamura et al. (Technova Inc., Kobe U.)
Heat evolution from zirconia-supported Ni-based nano-composite samples under exposure to hydrogen isotope gas

13:35-14:00 **JCF16-2** T. Hioki et al. (Nagoya U.)
Stability of Nano-Pd Particles Dispersed in Mesoporous Silicas under Hydrogen Atmosphere

14:00-14:25 **JCF16-3** T. Mizuno et al. (Hydrogen Eng. A&D Co.)
Thermophysical analysis of anomalous heat generation (AHG) reaction between metal and hydrogen

14:25-14:50 **JCF16-4** S. Kataoka et al. (Iwate U.)
Deuterium desorption experiments using multi-layered metal samples with fine-structured surface

14:50-15:10 ***Break***

Session-2 *Chairman: S. Narita (Iwate U.)*

15:10-15:35 **JCF16-5** T. Itoh et al. (Tohoku U., CLEAN PLANET Inc.)
Anomalous Heat Generation Experiments at Condensed Matter Nuclear Reaction Division of Tohoku University

15:35-16:00 **JCF16-6** Y. Iwamura et al. (Tohoku U.)
Preliminary Results on Identification of Pr by Rutherford Backscattering Spectrometry and Transmutation of Pd using Deuterium Gas Permeation Method through Nano-Structured Pd Multilayer Thin Film

16:00-16:25 **JCF16-7** N. D. Cook (Kansai U.)
A Hypothesis Concerning the Connection Between the "Mössbauer Effect" and the "Rossi Effect"

16:25-17:05 **JCF16-8** A. Takahashi (Technova Inc., Osaka U.)
Chaotic End-State Oscillation of 4H/TSC and WS Fusion

17:15-17:45 **JCF Annual Meeting**

18:00-20:00 **Reception**

December 12 (Sat), 2015

Session-3 *Chairman: A. Kitamura (Technova Inc., Kobe U.)*

9:30 - 9:55 **JCF16-9** K. Tanabe (Kyoto U.)
A Chemical Approach to Model the Deuterium Dynamics and Heat Generation on Palladium

9:55 -10:20 **JCF16-10** K. Tsuchiya (NIT, Tokyo College)
Convergence Aspect of the Self-consistent Calculations for Quantum States of Charged Bose Particles in Solids II

10:20 -10:45 **JCF16-11** H. Miura
Computer Simulation of Hydrogen Phonon States in Face Centered Cubic Lattice Metals

10:45-11:00 ***Break***

Session-4 *Chairman: H. Numata*

11:00-11:25 **JCF16-12** K. Tanabe (Kyoto U.)
Laser- and Plasmon-Enhanced Condensed Matter Nuclear Fusion: Proposals and Analysis

11:25-11:50 **JCF16-13** H. Kozima (Cold Fusion Research Lab.)
From the History of CF Research – A Review of the Typical Papers in the Cold Fusion Phenomenon –

11:50-12:15 **JCF16-14** H. Kozima (Cold Fusion Research Lab.)
The Cold Fusion Phenomenon and Neutrons in Solids

12:15-13:30 ***Lunch***

Session-5 *Chairman: K.Tsuchiya (NIT, Tokyo College)*

13:30-13:55 **JCF16-15** H. Numata
Advanced LGCA simulation for cascade vortices underbeneath of the electrode surface

13:55-14:20 **JCF16-16** T. Sawada (Nihon U.)
What is the nuclear active environment of the cold fusion

14:20-14:45 **JCF16-17** H. Kozima (Cold Fusion Research Lab.)
Nuclear Transmutations in Polyethylene (XLPE) Films and Water Tree Generation in Them (2)

14:45-15:10 **JCF16-18** H. Kozima (Cold Fusion Research Lab.)
Biotransmutation as a Cold Fusion Phenomenon

Adjourn