Program of JCF19 Meeting  
Japan CF-Research Society

Date: November 9-10, 2018  
Place: Iwate University, Ginga Hall, Morioka, Japan  
Paper presentation: Oral presentation 20 min. + Discussion 5 min.  
Language: English or Japanese  
Book of Abstract: Only available at JCF home page (http://jcfrs.org/)

November 9 (Fri), 2018

12:00-13:00 Registration

13:00-13:10 Opening Address  S. Narita (Iwate U.)

Session-1  Chair:  K. Tanabe (Kyoto U.)

13:10-13:35 JCF19-1  Y. Sato et al. (Kyushu U.)
Verification of anomalous heat detected by differential scanning calorimetry from Palladium-Nickel-Zirconium alloy in hydrogen flow

13:35-14:00 JCF19-2  I. Imoto et al. (Kyushu U.)
Anomalous Heat Observed in New Binary Metal System under Hydrogen Stream

14:00-14:25 JCF19-3  Y. Iwamura et al. (Tohoku U.)
Trial to Reproduce Coincident Burst Increase Events of Pressure and Gas Temperature during Heat Generation Experiments using Metal Nanocomposites and Hydrogen Gas

14:25-14:45 Break

Session-2  Chair:  S. Narita (Iwate U.)

14:45-15:10 JCF19-4  A. Takahashi et al. (Technova Inc.)
Repeated Calcination and AHE by PNZ6 Sample

15:10-15:35 JCF19-5  T. Yokose et al. (Kobe U.)
Anomalous Heat Burst by CNZ7 Sample and H-Gas

15:35-16:00 JCF19-6  K. Tanabe (Kyoto U.)
Theoretical Investigation of Plasmonic Field Enhancement at Oxide/Metal Interfaces
16:00-16:25  **JCF19-7**  K. Ooyama (Ooyama Power Inc.)
Li Quantity Suitable for Nuclear Fusion Mechanism

16:25-16:50  **JCF19-8**  H. Miura
Computer Simulation Approaches to Hydrogen Cohesion inside the Metal Surface

17:00-17:30  **JCF Annual Meeting**

18:30-20:30  **Reception**

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**November 10 (Sat), 2018**

**Session-3**  **Chair:** Y. Iwamura (Tohoku U.)
9:30 - 9:55  **JCF19-9**  S. Ono et al. (Kyoto U.)
Direct Joule Heating of D-Loaded Pd Plates in Vacuum II

9:55 -10:20  **JCF19-10**  M. Endo et al. (Iwate U.)
Thermal property of Pd-Zr and Pd-Ni-Zr complex samples in deuterium diffusion process

10:20 -10:45  **JCF19-11**  S. Kikuchi et al. (Iwate U.)
Search for nuclear phenomena in deuterium discharge experiment using Pd/PdO cathode

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

**Session-4**  **Chair:** H. Numata
11:00-11:25  **JCF19-12**  K. Tsuchiya (NIT, Tokyo College)
A theoretical study on the possible change of the phonon dispersion relation due to the nuclear reaction in two-dimensional lattice

11:25-11:50  **JCF19-13**  H. Kozima et al. (Cold Fusion Research Lab.)
Characteristics of the Nuclear Reactions in the Cold Fusion Phenomenon

11:50-12:15  **JCF19-14**  H. Kozima (Cold Fusion Research Lab.)
Inductive Logic and Meta-analysis in the Cold Fusion Research

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

**Session-5**  **Chair:** K. Tsuchiya (NIT, Tokyo College)
13:30-13:55  **JCF19-15**  H. Kozima (Cold Fusion Research Lab.)
Development of the Solid State-Nuclear Physics (SSNP)

13:55-14:20  JCF19-16  H. Numata
Microstructure of surface and interior of Pd rod electrode during long-term electrolysis in 0.1 M LiOD

14:20-14:45  JCF19-17  K. Ooyama (Ooyama Power Inc.)
Nuclear Fusion Mechanism in Pd Cathode

Adjourn