

Program of JCF9 Meeting
(Japan CF-Research Society)

Date: March 28-29, 2009

Place: Shizuoka-ken Sangyo Keizai Kaikan (Tel. 054-273-4330, Fax: 054-273-4331),
44-1 Outemachi, Aoi-ku, Shizuoka, 420-0853, Japan

Paper presentation: Oral presentation 20 min. + Discussion 5 min.

Language= English or Japanese

Book of Abstract: Only available at JCF home page;

<http://dragon.elc.iwate-u.ac.jp/jcf/index.html>

March 27 (Sat.), 2009 (at The 1st Conference Room)

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

13:00-13:10 **Opening Address** (H. Kozima, CF Res. Lab.)

Experiment-1 (Chairman: H. Numata, Tokyo Institute of Tech.)

13:10-13:35 **JCF9-1** T. Jang et al. (Yokohama National U.): Gas and Heat Balance during Plasma Electrolysis (2)

13:35-14:00 **JCF9-2** J.S. Gao et al. (Toyota Central R & D Labs.): Investigation of Nuclear Transmutation of Sr into Mo Using D₂ Permeation through Pd Foil

14:00-14:25 **JCF9-3** S. Narita et al. (Iwate U.): Characterizing Deuterium Absorption/Desorption Behavior with Multi-layered Pd

-----**break** (15 min)-----

Theory-1 (Chairman: K. Tsuchiya, Tokyo N. C. T.)

14:40-15:05 **JCF9-4** N. Yabuuchi (High Sci. Res. Lab.): Principle of Condensation for Nuclear Fusion

15:05-15:30 **JCF9-5** T. Nagashima et al. (Tokyo Metropolitan U.): Computer Simulation of Classical Dynamics Version of TSC Model

15:30-15:55 **JCF9-6** H. Kozima (CF Res. Lab.) et al.: Investigation of the Cold Fusion Phenomenon in the Surface Region of Hydrogen Non-occlusive Metal Catalysts: W, Pt, and Au

-----**break** (15 min)-----

Experiment-2 (Chairman: S. Narita, Iwate U.)

16:10-16:35 **JCF9-7** A. Kitamura (Kobe U.) et al.: CMNS Research Progressing in Kobe University –Deuterium Permeation and Absorption–

16:35-17:00 **JCF9-8** Y. Sasaki (Kobe U.) et al.: Deuterium Gas Charging Experiments with Pd Powders for Excess Heat Evolution (I) Results of absorption experiments using Pd powders

17:00-17:25 **JCF9-9** A. Takahashi (Technova Inc.) et al.: Deuterium Gas Charging Experiments with Pd Powders for Excess Heat Evolution (II) Discussions on Experimental Results and Underlying Physics

17:25-18:10 **JCF Annual Meeting**
18:30-20:30 **Reception**

March 28 (Sun.), 2009 (at The 1st Conference Room)

Theory-2 (Chairman: S. Sasabe, Tokyo Metropolitan U.)

- 10:00-10:25 **JCF9-10** N. D. Cook (Kansai U.): Quantitative Prediction of the Changes in Palladium Isotopes Due to Electrolysis
- 10:25-10:50 **JCF9-11** H. Miura: Condensation of Hydrogen or Heavy Hydrogen in Metal by Formation of Vacancy-Hydrogen Cluster or Vacancy-Heavy Hydrogen Cluster
- 10:50-11:15 **JCF9-12** H. Yamamoto: An Explanation of High Helium Concentration in Chupadera Mesa in New Mexico by Hydrogen-fusion
- 11:15-11:40 **JCF9-13** A. Takahashi (Technova Inc.): Neutron Spectra in CMNS –Back to the Past –

-----**lunch** (11:40-13:00)-----

Experiment-3 (Chairman: A. Kitamura, Kobe U.)

- 13:00-13:25 **JCF9-14** Y. Toriyabe et al. (Tohoku U.): High Energy Charged Particle Detection during Gas Permeation Experiment Using a Newly Developed Detector System
- 13:25-13:50 **JCF9-15** T. Mizuno (Hokkaido U.) et al. Heat Generation by Hydrogenation of Carbon Hydride
- 13:50-14:15 **JCF9-16** H. Yamada et al. (Iwate U.): Producing Elements of Mass Number 137 and 141 by Deuterium Permeation in Double Multi-layered Pd Samples with Cs Deposition

-----**break** (15 min)-----

Theory-3 (Chairman: M. Fukuhara, Tohoku U.)

- 14:30-14:55 **JCF9-17** H. Numata (Tokyo Institute of Tech.) et al.: Numerical Simulation of Vortex Pattern Appeared on Electrode Surface after Long Term Electrolysis of Well Annealed Thick Pd Rod in 0.1M LiOD: Open Boundary Condition
- 14:55-15:20 **JCF9-18** K. Tsuchiya (Tokyo N. C. T.): A Theoretical Study on the Possible Change of the Phonon Dispersion Relation Due to the Nuclear Reaction in Solid
- 15:20-15:45 **JCF9-19** H. Kozima (CF Res. Lab.): Non-localized Proton/Deuteron Wavefunctions and Neutron Bands in Transition-metal Hydrides/Deuterides

Adjourn